



Product Catalog

Your Trusted Expert in Solar ESS Systems



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KEQI Energy

- Location: Zhongshan, China
- OEM & ODM Services: Supported
- Sample Orders & Small Batch Customization: Supported

We are dedicated to the development of clean energy applications and high-efficiency lithium battery products. With a strong commitment to sustainability, our team focuses on innovative energy storage solutions that reduce environmental impact while meeting the rising global demand for reliable power. Through ongoing R&D, we strive to enhance product performance, safety, and user experience, contributing to the advancement of clean energy technologies and a greener future.

14Y+

**Production
Experience**

110+

**Staff
Size**

5,000m²

**Production
Workshop area**

4000+

**Monthly Production
Capacity**

Main Products

- Residential PV Inverter (Off-grid Inverter、Hybrid Inverter)
- Commercial & Industrial PV Inverter
- Energy Storage Systems – including Portable Power Stations, Lithium Battery Packs, Golf Cart Batteries
- Solar Lighting – Solar Street Lights, Solar Flood Lights, Solar Garden Lights



Our History: The Journey of Growth & Innovation

- 2007 – Inception in Guangzhou, China

Guanke Lighting Co., Ltd. was established in Guangzhou, initially focusing on traditional and LED lighting products for commercial and outdoor use.

- 2008 – Relocation and Expansion

Moved operations to Zhongshan to leverage better industrial resources and scale production. A more robust local supply chain and distribution network was established.

- 2010-2020 – Entering the Solar Era

Launched the first generation of solar products including solar lights, inverters, and lithium energy storage systems. Positive market feedback led to increased investment in R&D and participation in international exhibitions.

- 2024 – Joined Teemway Group: A New Chapter Begins

In 2024, we officially joined Teemway Group, marking a strategic upgrade in our brand and international expansion. This milestone also saw the launch of our Southeast Asia division, with a strong focus on emerging markets in Vietnam and the Philippines. Together with Teemway, we are shaping a cleaner energy future.



Product Line



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Solar Inverter

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Solar Inverter

- Residential PV Inverter (Off-grid Inverter、Hybrid Inverter)
- Commercial & Industrial PV Inverter



THM-EU Series

- Off Grid Solar High Frequency Inverter

Product Highlights:

- Built-in MPPT Solar Charge Controller
- Selectable Input Voltage Range
- Configurable Charging Current Based on Application
- AC Input Priority Settable via LCD
- Auto Restart When AC Power is Restored
- Cold Start Function
- Smart Charger Design for Optimized Battery Performance



3.5/6.2/11.2KW

Specification

| Model | THM-3.5K24P | THM-6.2K48P | THM-11.2K48P |
|------------------------------|---|-------------|---------------------|
| Battery Input | | | |
| Battery Type | Lithium or lead acid battery | | |
| Rated Battery Voltage | 24V | 48V | 48V |
| Max. Charging Voltage | 28.2V | 56.4V | 58.4V |
| PV Input | | | |
| Max. PV Input Power | 5000W | 6000W | 6000W X2 |
| Max. PV Input Voltage | 500V | | |
| Max. PV Input Current | 18A | 18A | 18A X2 |
| MPPT Operating Voltage Range | 40~450VDC | 120~450VDC | 65~450VDC |
| Max. PV Charging Current | 100A | 100A | 160A |
| MPPT Number | 1 | 1 | 2 |
| Output Parameters-Off Grid | | | |
| Max. Output Power | 6000VA | | |
| Rated Power | 3500W | 6200W | 12000W |
| Rated Output Voltage | 208/ 220/230/240V (±5%) | | 230V (±5%) Max.300V |
| Rated Output Frequency | 50/60Hz (±0.1%) | | |
| Switch Time | 10 ms for computer equipment, 10 ms for household loads. | | |
| Protection | | | |
| Protection | Output overload / short circuit protection / overtemperature protection / automatic protection and alarm indication | | |
| Basic Data | | | |
| Operation Temperature | -0 ~ 50℃ | | |
| Storage Temperature | -15~60℃ | | |
| Relative Humidity | 20~95% | | |
| Working Altitude | ≤1000 | ≤4000 | ≤4000 |
| Communication | 2X5 PIN/ Pitch2.54mm, Lithium battery BMS, Wi-Fi, Dry Contact Card (Optional) | | COMM |
| Noise | <50 | | |
| Size | 456*300*131 | 456*300*131 | 642*451*176 |
| Parallel Connection | None | Yes | None |



THI-Split / EU Series

- Off Grid Solar Low Frequency Inverter



Product Highlights:

- UPS automatic transfer & grid charging
- Full protections: overload, high/low voltage, short circuit
- DSP intelligent control for stable performance
- Strong inverter capability: soft start, 3× peak power, supports inductive loads
- Dual input/output: 110/120VAC & 220/240VAC
- Optional WiFi/RS485/AGS remote monitoring
- Optional MPPT solar charge controller (50A-300A)



2-15KW

Specification

| Model | THI-2KW-Split/EU | THI-3KW-Split/EU | THI-4KW-Split/EU | THI-5KW-Split/EU | THI-6KW-Split/EU | THI-8KW-Split/EU | THI-10KW-Split/EU | THI-12KW-Split/EU |
|---|---|------------------|------------------|--|------------------|------------------|-------------------------------|-------------------|
| Battery Input | | | | | | | | |
| Battery Type | Lithium or lead acid battery | | | | | | | |
| Rated Battery Voltage | 12V / 24V / 48V | 24V/48V | | | 48V / 96V | | | |
| Min. Start Voltage | (9.5V-12.5V adjustable)+0.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC) | | | | | | | |
| Low Battery Voltage Cut Of | (9.5V-12.5V adjustable),10V(default) for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC) | | | | | | | |
| High Battery Voltage Recover | 15.5V for 12VDC mode (*2 for 24VDC, *4 for 48VDC, *8 for 96VDC) | | | | | | | |
| PV Input | | | | | | | | |
| MPPT Operating Voltage Range | 30~120VDC @ 24V;60~150VDC @ 48V;120~170VDC @ 96V | | | | | | 60~150VDC @48V120~270VDC @96V | |
| Max. PV Charger Current | 50A, 60A, 80A, 100A, 120A | | | | | | 100A, 120A, 150A, 200A, 300A | |
| Max. PV Array Power | 24V: 50A:1200W;60A:1440W;80A:1920W;100A:2400W,120A:2880W 48V: 50A:2400W;60A:2880W;80A:3840W;100A:4800W;120A:5760W;150A:7200W | | | 48V: 50A:2400W;60A:2880W;80A:3840W;100A:4800W;120A:5760W;150A:7200W 96V: 100A:9600W;120A:11520W;150A:14400W | | | | |
| Max. PV Array Open Circuit Voltage | 130VDC @ 24V/160@ 48V;180VDC @ 96V(Max:60A) | | | | | | 160VDC @ 48V/ 280@ 96V | |
| Inverter Output | | | | | | | | |
| Rated Output Apparent Power | 2000W | 3000W | 4000W | 5000W | 6000W | 8000W | 10000W | 12000W |
| Max. Output Apparent Power | 6000W,20s’ | 3000W,20s’ | 4000W,20s’ | 15000W,20s’ | 18000W,20s’ | 24000W,20s’ | 30000W,20s’ | 36000W,20s’ |
| Rated Output Voltage | 110V / 120V / 220V / 230V / 240V one voltage version only | | | | | | | |
| Rated Output Frequency | 50/60Hz (±0.3%) | | | | | | | |
| Output Voltage RMS | HOT1+N:110/120VAC+10%;HOT1+HOT2 :220/240VAC+10% | | | | | | | |
| Overload HOT1+HOT2 | 120%<Load<130%±10:Fault(Turnoff output after 60seconds) 130%<Load<150%±10:Fault(Turnoff output after 10seconds) 150%<Load ±10:Fault(Turnoff output after 10seconds) | | | | | | | |
| Overload HOT1+HOT2 | 60%<Load<65% ±10:Fault(Turnoff output after 60seconds) 65%<Load<75% ±10:Fault(Turnoff output after 10seconds) 75%<Load ±10:Fault(Turnoff output after 10seconds) | | | | | | | |
| Inverter Efficiency | >85% | | | | | | | |
| Line Mode Efficiency | >95% | | | | | | | |
| AC Input | | | | | | | | |
| Waveform | Pure sine wave | | | | | | | |
| Nominal input voltage(Double Input) | HOT1+N:110/120VAC+20%;HOT1+N+HOT2 :220/240VAC+20% | | | | | | | |
| Low Input Voltage | 110/220VAC:70-90VAC(adjustable); 80VAC(default) ;220/240VAC:140-180VAC(adjustable),160VAC(default) | | | | | | | |
| Max Input Voltage | 110/220VAC:130-145VAC(adjustable),137VAC(default) ;220/240VAC:260-290VAC(adjustable),275VAC(default) | | | | | | | |
| Input Frequency | 50/60Hz Auto / Sensing | | | | | | | |
| Transfer Time AC to DC | 8ms’ Max | | | | | | | |
| AC Charge Current Max / Min charge current 5A. Change by every 5A~10A | | | | | | | | |
| 12VDC | 30A | -- | -- | -- | -- | -- | -- | -- |
| 24VDC | 40A | 40A | 50A | -- | -- | -- | -- | -- |
| 48VDC | 20A | 30A | 40A | 50A | 50A | 50A | 50A | 50A |
| 96VDC | -- | -- | -- | 20A | 20A | 30A | 30A | 30A |
| Base Data | | | | | | | | |
| Storage Temperature | -10~50℃ | | | | | | | |
| Working Altitude | ≤4000 | | | | | | | |
| Noise | <70 | | | | | | | |
| Protection Class | IP20 | | | | | | | |
| Dimension | 500*320*210mm | | 500*390*210mm | | | 650*450*260 | | |



THS-EU Series

- Hybrid Solar Inverter

Product Highlights:

- The battery's charge and discharge current can reach up to 120A
- Off-grid peak power up to 2 times the rated power (15 seconds)
- Transformerless, max efficiency is up to 97.6%
- The uninterruptible power supply can switch within 10 milliseconds
- Support parallel connection



3-6KW

Specification

| Model | THS-3KS48P | THS-3K6S48P | THS-4KS48P | THS-4K6S48P | THS-5KS48P | THS-6KS48P |
|--------------------------------------|--------------------------------------|-------------|------------|-------------|------------|------------|
| Battery Input | | | | | | |
| Battery Type | Lithium or lead acid battery | | | | | |
| Rated Battery Voltage | 48V | | | | | |
| Max. Charging Voltage | ≤60 Configurable | | | | | |
| Max. Charge / Discharge Current | 75A | 90A | 100A | 110A | 120A | 120A |
| PV Input | | | | | | |
| Max. DC Input Power | 6000W | 7200KW | 8000W | 9200W | 10000W | 12000W |
| Max. DC Input Voltage | 500V | | | | | |
| MPPT Operating Voltage Range | 150~450V | | | | | |
| Starting Voltage | 125V | | | | | |
| Max. Input Current | 18A | 18/18A | 18/18A | 18/18A | 18/18A | 18/18A |
| MPPT Number | 1 | 2 | 2 | 2 | 2 | 2 |
| AC Output Parameters-On Grid | | | | | | |
| Max. Output Apparent Power | 3300VA | 3960VA | 4400VA | 5000VA | 5500VA | 6000VA |
| Rated Output Voltage | 230V | | | | | |
| Rated Output Frequency | 50/60Hz | | | | | |
| Max. Output Current | 15A | 18A | 20A | 22A | 25A | 27A |
| Output Power Factor | ~1 (-0.8 leadinn~ +0.8 lagging) | | | | | |
| AC Output Parameters-Off Grid | | | | | | |
| Rated Output Apparent Power | 3000VA | 3600VA | 4000VA | 4600VA | 5000VA | 6000VA |
| Max. Output Apparent Power | >200%, 15Sec' | | | | | |
| Rated Output Voltage | 230V (±2%) | | | | | |
| Rated Output Frequency | 50/60Hz (±2%) | | | | | |
| Max. Output Current | 14A | 16A | 18A | 21A | 23A | 27A |
| Efficiency | | | | | | |
| Max. Efficiency PV | 97.6% | | | | | |
| Max. Efficiency Cell | 94.5% | | | | | |
| Europe Efficiency | 97% | | | | | |
| Protection | | | | | | |
| PV Input Reverse Polarity Protection | YES | | | | | |
| PV Insulation Resistance Detection | YES | | | | | |
| Residual Current Detection | YES | | | | | |
| Output Short Circuit Protection | YES | | | | | |
| Output Over Voltage Protection | YES | | | | | |
| Basic Data | | | | | | |
| Operation Temperature | -25 ~ 60°C, >45°C Automatic derating | | | | | |
| Storage Temperature | -30~65°C | | | | | |
| Relative Humidity | 0~95% | | | | | |
| Working Altitude | ≤4000m, >2000mAutomatic derating | | | | | |
| Cooling | Air Cooling | | | | | |
| Noise | <55dB | | | | | |
| Weight | 20kg | | | | | |
| Size | 427*554*198mm | | | | | |
| Protection Class | IP66 | | | | | |
| Topology | HF isolation | | | | | |

THS-EU Series

- Hybrid Solar Inverter



Product Highlights:

- The battery's charge and discharge current can reach up to 190A
- Maximum input current increased to 30A
- The uninterruptible power supply can switch within 10 milliseconds
- Support parallel connection



7-8KW

Specification

| Model | THS-7KS48P | THS-7KS48P | THS-8KS48P |
|--------------------------------------|--------------------------------|------------|------------|
| Battery Input | | | |
| Battery Type | Lithium or lead acid battery | | |
| Rated Battery Voltage | 48V | | |
| Max. Charging Voltage | ≤60 Configurable | | |
| Max. Charge / Discharge Current | 175A | 190A | 190A |
| PV Input | | | |
| Max. DC Input Power | 14000W | 15200W | 16000W |
| Max. DC Input Voltage | 500V | | |
| MPPT Operating Voltage Range | 150~450V | | |
| Starting Voltage | 125V | | |
| Max. Input Current | 30A/18A | 30A/18A | 30A/18A |
| MPPT Number | 2 | 2 | 2 |
| AC Output Parameters-On Grid | | | |
| Max. Output Apparent Power | 7700VA | 8360VA | 8800VA |
| Rated Output Voltage | 220/230V | | |
| Rated Output Frequency | 50/60Hz | | |
| Max. Output Current | 35A | 38A | 40A |
| Output Power Factor | ~1 (-0.8 leading~+0.8 lagging) | | |
| AC Output Parameters-Off Grid | | | |
| Rated Output Apparent Power | 7000VA | 7600VA | 8000VA |
| Max. Output Apparent Power | >200%,15s' | >200%,15s' | >200%,15s' |
| Rated Output Voltage | 220V/230V | | |
| Rated Output Frequency | 50/60Hz (±2%) | | |
| Max. Output Current | 35A | 38A | 40A |
| Efficiency | | | |
| Max. Efficiency PV | 98.1% | | |
| Max. Efficiency Cell | 94.5% | | |
| Europe Efficiency | 97.5% | | |
| Protection | | | |
| PV Input Reverse Polarity Protection | YES | | |
| PV Insulation Resistance Detection | YES | | |
| Residual Current Detection | YES | | |
| Output Short Circuit Protection | YES | | |
| Output Over Voltage Protection | YES | | |
| Basic Data | | | |
| Operation Temperature | -40 ~ 60°C | | |
| Storage Temperature | -30~65°C | | |
| Relative Humidity | 0~95% | | |
| Working Altitude | ≤4000m | | |
| Cooling | Air Cooling | | |
| Noise | <55dB | | |
| Weight | 21.5kg | | |
| Size | 198*428*554mm | | |
| Protection Class | IP66 | | |
| Topology | HF isolation | | |



THS-EU Series

- Hybrid Solar Inverter Three Phase

Product Highlights:

- Max Input Current Upgraded to 36A
- Off-grid Peak Overload 200% for 15s
- Support multi-machine parallel connection
- PV Over-sizing Ratio of 200%, Allows More Modules to Ensure Off-grid Applications and Full Battery Charging
- Compatible with Module-level 18A, Suited for Mainstream High-current Modules on the Market



5-12KW

Specification

| Model | THS-5KS48P3 | THS-6KS48P3 | THS-7KS48P3 | THS-8KS48P3 | THS-10KS48P3 | THS-12KS48P3 |
|--------------------------------------|--------------------------------|-------------|-------------|-------------|--------------|--------------|
| Battery Input | | | | | | |
| Battery Type | Lithium or lead acid battery | | | | | |
| Rated Battery Voltage | 48V | | | | | |
| Max. Charging Voltage | ≤60 Configurable | | | | | |
| Max. Charge / Discharge Current | 120A | 125A | 150A | 190A | 210A | 250A |
| PV Input | | | | | | |
| Max. DC Input Power | 10KW | 12KW | 14KW | 16KW | 20KW | 24KW |
| Max. DC Input Voltage | 1000V | | | | | |
| MPPT Operating Voltage Range | 200~800V | | | | | |
| Starting Voltage | 150V | | | | | |
| Max. Input Current | 18A | 18A | 18A | 18A/18A | 36A/18A | 36A/18A |
| MPPT Number | 1 | 1 | 1 | 2 | 2 | 2 |
| AC Output Parameters–On Grid | | | | | | |
| Max. Output Apparent Power | 5500VA | 6600VA | 7700VA | 8800VA | 11000VA | 13200VA |
| Rated Output Voltage | 380/400V | | | | | |
| Rated Output Frequency | 50/60Hz | | | | | |
| Max. Output Current | 8.3A | 10A | 11.6A | 13.3A | 16.7A | 20A |
| Output Power Factor | ~1 (-0.8 leading~+0.8 lagging) | | | | | |
| AC Output Parameters–Off Grid | | | | | | |
| Rated Output Apparent Power | 5000VA | 6000VA | 7000VA | 8000VA | 10000VA | 12000VA |
| Max. Output Apparent Power | >200%,15s' | | | | | |
| Rated Output Voltage | 380/400 | | | | | |
| Rated Output Frequency | 50/60Hz | | | | | |
| Max. Output Current | 8.3A | 10A | 11.6A | 13.3A | 16.7A | 20A |
| Efficiency | | | | | | |
| Max. Efficiency PV | 98.1% | | | | | |
| Max. Efficiency Cell | 94.5% | | | | | |
| Europe Efficiency | 97.5% | | | | | |
| Protection | | | | | | |
| PV Input Reverse Polarity Protection | YES | | | | | |
| PV Insulation Resistance Detection | YES | | | | | |
| Residual Current Detection | YES | | | | | |
| Output Short Circuit Protection | YES | | | | | |
| Output Over Voltage Protection | YES | | | | | |
| Basic Data | | | | | | |
| Operation Temperature | -25 ~ 60℃ | | | | | |
| Storage Temperature | -30~65℃ | | | | | |
| Relative Humidity | 0~95% | | | | | |
| Working Altitude | ≤4000m | | | | | |
| Cooling | Air Cooling | | | | | |
| Noise | <55dB | | | | | |
| Weight | 38KG | | | | | |
| Size | 475*683*256mm | | | | | |
| Protection Class | IP66 | | | | | |
| Topology | HF isolation | | | | | |



THR-Split Series

- American ESS split Inverter

Product Highlights:

- Support multi-machine parallel connection
- Support multi-machine parallel mode sharing a battery pack
- Single-machine load capacity 100A
- Using split-phase topology and eliminating the transformers, to make the system efficiency higher. Support the diesel generator and the grid access at the same time.



5-10KW

Specification

| Model | THR-5KSLA | THR-6KSLA | THR-7KSLA | THS-8KSLA | THS-10KSLA |
|---------------------------------|---|-----------|-----------|-----------|------------|
| Battery Input | | | | | |
| Battery Type | Lithium or lead acid battery | | | | |
| Rated Battery Voltage | 48V~60V | | | | |
| Max. Charging Voltage | ≤60 Configurable | | | | |
| Max. Charge / Discharge Current | 120A | 135A | 190A | 190A | 190/210A |
| PV Input | | | | | |
| Max. DC Input Power | 7.5KW | 9KW | 12KW | 12KW | 15KW |
| Max. DC Input Voltage | 500V | | | | |
| MPPT Operating Voltage Range | 120~500V | | | | |
| Starting Voltage | 120 | | | | |
| Max. Input Current | 14A | 14A | 14A | 14A | 14A |
| MPPT Number | 4 | 4 | 4 | 4 | 4 |
| AC Output Parameters-On Grid | | | | | |
| Max. Output Apparent Power | 5500VA | 6600VA | 8400VA | 8800VA | 11000VA |
| Rated Output Voltage | 110-127/208-240V Split-phase, 240V Single-phase | | | | |
| Rated Output Frequency | 50/60Hz | | | | |
| Max. Output Current | 22.9A | 27.5A | 34.8A | 36.7A | 45.8A |
| Output Power Factor | -0.8 leading~+0.8 lagging | | | | |
| AC Output Parameters-Off Grid | | | | | |
| Rated Output Apparent Power | 5000VA | 6000VA | 7000VA | 8000VA | 10000VA |
| Max. Output Apparent Power | 5500VA | 6600VA | 8400VA | 8800VA | 11000VA |
| Rated Output Voltage | 120/240 | | | | |
| Rated Output Frequency | 60Hz | | | | |
| Max. Output Current | 22.9A | 27.5A | 34.8A | 36.7A | 45.8A |
| Overload | 110%,30S / 120%,10S / 150%,0.02S | | | | |
| Back-up switch time (ms) | <20 | | | | |
| THDu | <2% | | | | |
| Protection | | | | | |
| Supported protection | Arc fault protection, PV reverse polarity protection, Anti-islanding protection, Ground fault protection Leakage current protection, Insulation resistance detection, Backup output short circuit protection, AC under-voltage protection, AC output over-current protection, AC over-voltage protection, | | | | |
| Surge protection | DC Type II / AC Type II | | | | |
| Over voltage category | DC Type II / AC Type III | | | | |
| Basic Data | | | | | |
| Operation Temperature | -25 ~ 60℃ | | | | |
| Storage Temperature | -30~65℃ | | | | |
| Relative Humidity | 0~95% | | | | |
| Working Altitude | ≤4000m | | | | |
| Cooling | FAN cooling | | | | |
| Noise | <48dB | | | | |
| Weight | 48KG | | | | |
| Size | 450 x 820 x 240mm | | | | |
| Protection Class | IP65 | | | | |



THR- Split Series

- American ESS split Inverter



Product Highlights:

- Support multi-machine parallel connection
- Support multi-machine parallel mode sharing a battery pack
- Single-machine load capacity 200A
- Using split-phase topology and eliminating the transformers, to make the system efficiency higher. Support the diesel generator and the grid access at the same time.



12-16KW

Specification

| Model | THR-12KSLA | THS-16KSLA |
|---------------------------------|---|------------|
| Battery Input | | |
| Battery Type | Lithium or lead acid battery | |
| Rated Battery Voltage | 48V~58V | |
| Max. Charging Voltage | ≤58 Configurable | |
| Max. Charge / Discharge Current | 250/260A | 260/280A |
| PV Input | | |
| Max. DC Input Power | 18KW | 24KW |
| Max. DC Input Voltage | 500V | |
| MPPT Operating Voltage Range | 120~500V | |
| Starting Voltage | 120 | |
| Max. Input Current | 16A | 20A |
| MPPT Number | 4 | 4 |
| AC Output Parameters-On Grid | | |
| Max. Output Apparent Power | 13.2KVA | 16KVA |
| Rated Output Voltage | 110-127/208-240V Split-phase, 240V Single-phase | |
| Rated Output Frequency | 60Hz | |
| Max. Output Current | 55A | 73.3A |
| Output Power Factor | -0.8 leading~+0.8 lagging | |
| Max. Grid Passthrough Current | 200A | |
| THDu | <3% | |
| AC Output Parameters-Load Side | | |
| Rated Output Apparent Power | 12KW | 13KW |
| Max. Output Apparent Power | 13.2KVA | 13.2KVA |
| Rated Output Voltage | 120/240 | |
| Rated Output Frequency | 60Hz | |
| Max. Output Current | 55A | 55A |
| Overload | 110%,30S / 120%,10S / 150%,0.02S | |
| Back-up switch time (ms) | <20 | |
| THDu | <2% | |
| Protection | | |
| Supported protection | Arc fault protection, PV reverse polarity protection, Anti-islanding protection, Ground fault protection Leakage current protection, Insulation resistance detection, Backup output short circuit protection, AC under-voltage protection, AC output over-current protection, AC over-voltage protection, | |
| Surge protection | DC Type II / AC Type II | |
| Over voltage category | DC Type II / AC Type III | |
| Basic Data | | |
| Operation Temperature | -25 ~ 60℃ | |
| Storage Temperature | -30~65℃ | |
| Relative Humidity | 0~95% | |
| Working Altitude | ≤4000m | |
| Cooling | FAN cooling | |
| Noise | <48dB | |
| Weight | 55KG | |
| Size | 495 x 900 x 260mm | |
| Protection Class | IP65 | |



BPS Series 400V

- C&I Hybrid Inverter



Product Highlights:

- Adopt an integrated design, integrating PV controllers, energy storage converters, and on/off-grid automatic switching units, greatly improving customer deployment efficiency and reducing installation costs
- Support PV, diesel generator, battery, load at the same time access, also has strong adaptability
- Support black start
- Various working modes can be set flexibly
- Supports unattended operation , with an HMI digital display panel, which quickly judge the operating status and health of the equipment

30KW-500KW

Specification

| Model | BPS-0030 | BPS-0050 | BPS-00100 | BPS-00150 | BPS-00250 | BPS-0500 |
|----------------------------------|-----------------------------|---------------|-------------------|-------------------|---------------------------------------|---------------------------------------|
| AC(on-grid) | | | | | | |
| Max output power (kVA) | 33 | 55 | 110 | 165 | 275 | 550 |
| Rate output power (kW) | 30 | 50 | 100 | 150 | 250 | 500 |
| Rated voltage(V) | 400 | | | | | |
| Voltage Range(V) | 320~460 | | | | | |
| Rated current (A) | 43 | 72 | 144 | 216 | 361 | 722 |
| Rated frequency (Hz) | 50/60 | | | | | |
| Frequency range (Hz) | 45~55 / 55~65 | | | | | |
| THDi | <3% | | | | | |
| Power factor | lagging-leading (Settable) | | | | | |
| AC connection | 3W+N+PE | | | | | |
| Transformer ratio | 100/400 | 200/400 | 270/400 | 270/400 | 270/400 | 315/400 |
| AC(off-grid) | | | | | | |
| Max output power (kVA) | 33 | 55 | 110 | 165 | 275 | 550 |
| Rated power (kW) | 30 | 50 | 100 | 150 | 250 | 500 |
| Rated voltage (V) | 400 | | | | | |
| Rated current (A) | 43 | 72 | 144 | 216 | 361 | 722 |
| THDu | ≤1% linear; or≤5% nonlinear | | | | | |
| Rated frequency (Hz) | 50/60 | | | | | |
| Overload capacity | 110% long-term, 120% 1min | | | | | |
| PV input | | | | | | |
| Max.PV input voltage (V) | 1000 | | | | | |
| Max.PV power (kW) | 36/72 | 60/120 | 120/180/240 | 120/180/240 | 300/360 | 600/660/720 |
| MPPT module quantity | 1/2 | 1/2 | 2/3/4 | 2/3/4 | 5/6 | 10/11/12 |
| MPPT voltage range (V) | 250-850 | | | | | |
| MPPT voltage range@full load (V) | 450/850 | | | | | |
| Battery | | | | | | |
| Battery voltage range (V) | 250~850 | 320~850 | 420~850 | 450~850 | 420~850 | 500~850 |
| Max. charging power (kW) | 33 | 55 | 110 | 165 | 275 | 550 |
| General data | | | | | | |
| Dimension W*D*H (mm) | 800*800*1,900 | 800*800*1,900 | 1,200*800*2,050 | 1,200*800*2,050 | (600*720*2,050)*1 +1,200*800*2,050 | (600*720*2,050)*1 +1,200*800*2,050 |
| Net weight (kg) | 576/607 | 720/750 | 1,120/1,150/1,180 | 1,250/1,280/1,310 | 1,980/2,010 | 3,265/3,295/3,325 |
| Relative humidity | 0 ~95% non-condensing | | | | | |
| Operation temperature (°C) | -30 ~ 55 | | | | | |
| Protection Class | IP20 | | | | | |
| Noise emission (dB) | <70 | | | | | |
| Operating altitude | <5,000m(>3,000 Derating) | | | | | |
| Cooling | Air Cooling | | | | | |



BPS Series 480V

- C&I Hybrid Inverter (Americas)

Product Highlights:

- Adopt an integrated design, integrating PV controllers, energy storage converters, and on/off-grid automatic switching units, greatly improving customer deployment efficiency and reducing installation costs
- Support PV, diesel generator, battery, load at the same time access, also has strong adaptability
- Support black start
- Various working modes can be set flexibly
- Supports unattended operation , with an HMI digital display panel, which quickly judge the operating status and health of the equipment

30KW-500KW

Specification

| Model | BPS-0030-A | BPS-0050-A | BPS-00100-A | BPS-00150-A | BPS-00250-A | BPS-0500-A |
|----------------------------------|-----------------------------|---------------|-------------------|-------------------|---------------------------------------|---------------------------------------|
| AC(on-grid) | | | | | | |
| Max output power (kVA) | 33 | 55 | 110 | 165 | 275 | 550 |
| Rate output power (kW) | 30 | 50 | 100 | 150 | 250 | 500 |
| Rated voltage(V) | 480 | | | | | |
| Voltage Range(V) | 384~522 | | | | | |
| Rated current (A) | 73 | 61 | 121 | 181 | 301 | 601 |
| Rated frequency (Hz) | 50/60 | | | | | |
| Frequency range (Hz) | 45~55 / 55~65 | | | | | |
| THDi | <3% | | | | | |
| Power factor | lagging-leading (Settable) | | | | | |
| AC connection | 3w/N/PE | | | | | |
| Transformer ratio | 100/480 | 200/480 | 270/480 | 270/400 | 270/480 | 315/480 |
| AC(off-grid) | | | | | | |
| Max output power (kVA) | 33 | 55 | 110 | 165 | 275 | 550 |
| Rated power (kW) | 30 | 50 | 100 | 150 | 250 | 500 |
| Rated voltage (V) | 480 | | | | | |
| Rated current (A) | 37 | 61 | 121 | 181 | 301 | 601 |
| THDu | ≤1% linear; or≤5% nonlinear | | | | | |
| Rated frequency (Hz) | 50/60 | | | | | |
| Overload capacity | 110% long-term | | | | | |
| PV input | | | | | | |
| Max.PV input voltage (V) | 1000 | | | | | |
| Max.PV power (kW) | 36/72 | 60/120 | 120/180/240 | 120/180/240 | 300/360 | 600/660/720 |
| MPPT voltage range (V) | 250~850 | | | | | |
| MPPT voltage range@full load (V) | 450~850 | | | | | |
| Battery | | | | | | |
| Battery voltage range (V) | 250~850 | 320~850 | 420~850 | 450~850 | 420~850 | 500~850 |
| Max. charging power (kW) | 33 | 55 | 110 | 165 | 275 | 550 |
| General data | | | | | | |
| Dimension W*D*H (mm) | 800*800*1,900 | 800*800*1,900 | 1,200*800*2,050 | 1,200*800*2,050 | (600*720*2,050)*1 +1,200*800*2,050 | (600*720*2,050)*1 +1,200*800*2,050 |
| Net weight (kg) | 576/607 | 720/750 | 1,120/1,150/1,180 | 1,250/1,280/1,310 | 1,980/2,010 | 3,265/3,295/3,325 |
| Relative humidity | 0 ~95% non-condensing | | | | | |
| Operation temperature (°C) | -30 ~ 55 | | | | | |
| Protection Class | IP20 | | | | | |
| Noise emission (dB) | <70 | | | | | |
| Operating altitude | <5,000m(>3,000 Derating) | | | | | |
| Cooling | Air Cooling | | | | | |

Lithium Battery

- Residential Energy Storage
- Commercial & Industrial ESS
- Portable Power Station
- Customized Batteries



BES Series

- All In One Energy Storage System 3kW5KWH-10kW30KWH

Product Highlights:

- **Generator Compatibility:** Supports diesel/gasoline generators and wind turbines
- **User-Friendly Display:** Combination of LCD and LED, adjustable parameters, intuitive operation
- **Pure Sine Wave Output:** Supports grid charging and AC complementary function with high conversion efficiency
- **Advanced Multi-Layer Protection:** Includes low voltage, high voltage, overtemperature, short circuit, overload, and constant current protection

Specification

| Item | BES-3kW-5kWH | BES-5kW-5kWH | BES-5kW-10kWH | BES-6kW-30kWH | BES-10kW-15kWH | BES-10kW-30kWH |
|------------------------------|--|--------------|---------------|---------------|----------------|----------------|
| Rated power | 3000W | 5000W | 5000W | 6000W | 10000W | 10000W |
| Input voltage | 165-260VAC | 165-260VAC | 165-260VAC | 165-260VAC | 165-260VAC | 165-260VAC |
| Frequency | 40-65Hz | | | | | |
| Controller type | MPPT | | | | | |
| Max PV charging current | 60A | | | | | |
| PV voltage range | 72-190VDC | 72-190VDC | | 72-190VDC | 72-190VDC | 72-190VDC |
| Output voltage | 220VAC | | | | | |
| Frequency | 50/60Hz | | | | | |
| Waveform | Pure Sine Wave | | | | | |
| Transit time | < 10ms | | | | | |
| Efficiency | >85% | | | | | |
| Overload ability | 110%-120% / 30s; >160% / 300ms | | | | | |
| Protection | battery overvoltage, low voltage, overload, short circuit, overtemperature protection, etc.. | | | | | |
| Battery capacity | 5kWH | 5kWH | 10kWH | 30kWH | 15kWH | 30kWH |
| Battery voltage | 51.2V | 51.2V | 51.2V | 51.2V | 51.2V | 51.2V |
| Constant charging current | 0-75A | 0-75A | 0-75A | 0-150A | 0-150A | 0-150A |
| Constant discharging current | 0-100A | 0-100A | 0-110A | 0-250A | 0-250A | 0-250A |
| Charging voltage | 53.6V - 55.2V (Floating charge), 56.8V-57.6V (Equalization) | | | | | |
| Charging cut-off voltage | 57.6V | 57.6V | 57.6V | 57.6V | 57.6V | 57.6V |
| Discharging cut-off voltage | 40V-45V | 40V-45V | 40V-45V | 40V-45V | 40V-45V | 40V-45V |
| Cycle life | 6000 cycles | | | | | |
| Communication | RS232, RS485, CAN | | | | | |
| Working temp | 20°C-60°C ; Humidity: Less than 95% RH; Altitude: Below 4500 meters | | | | | |



BES Series

- All In One ESS 1.5kW2.56KWH-6kW10.24kWhKWH

- Compatible for household appliances with AC 110V / 220V
- Plug & play design for simple installation
- LCD & LED display for system parameters and status
- Built-in pure sine wave inverter for wide-range of appliances, durable and stable
- Maximum solar generation with over 99% efficiency MPPT solar charge controller

Specification

| Item | TS-PST1500W | TS-PST3000W | TS-PST6000W |
|---------------------|-------------------------|-------------|-------------|
| Rated power (kW) | 1.5 | 3 | 6 |
| Rated voltage (V) | 110/220VAC | | |
| Battery type | LFP lithium battery | | |
| Battery capacity | 25.6V100AH | 51.2V100AH | 51.2V200AH |
| Input voltage | 85-138VAC / 170-275VAC | | |
| Input frequency | 50/60Hz | | |
| Mppt voltage | 60-150VDC | | |
| PV power | 1500W | 3000W | 6000W |
| USB Output | 2A * 2units | | |
| DC output | 2A * 2units | | |
| Dimension | 445*315*550 | 525*315*650 | 645*380*755 |
| Net weight (kg) | 49kg | 81kg | 141kg |
| Relative humidity | 0 ~95% (non-condensing) | | |
| Noise emission (dB) | <55 | | |
| Display | LCD | | |



BSW Series

- Wall Mounted Energy Storage System 5kWH / 10kWH

Product Highlights:

- Top brand battery, A-grade quality, 6000 cycles
- Wall-mounted installation, Easy to install
- Integrated with multiple communication protocols for over 20 brands of inverters.
CAN/RS485 communication interface
- Multi- protection from self developed BMS

Specification

| Item | BSW -5kWH | BSW- 10kWH |
|---------------------------|--|--|
| Nominal voltage | 51.2V | 51.2V |
| Nominal capacity | 100Ah | 200Ah |
| Limited charge voltage | 58.4V MAX | |
| Working voltage | 43.2~58.4V | |
| Standard charging current | 50A | |
| Max charging current | 100A | |
| Max discharging current | 100A | |
| Depth of discharge | 90% | |
| Cycle life | ≥ 6000, 0.5C, EOL80% | |
| Parallel | Support | |
| Battery dimension | 405*580*185 | 435*630*275 |
| Battery weight | 46.8kg not include installation components | 86.7kg not include installation components |
| Working temp range | Charge:0~50°C±10%-90%RH Discharge:-10°C-60°C | |
| Storage temp range | -20°C~60°C | |



BSU Series 15KWH

- Flexible Floor-Standing Energy Storage



Product Highlights:

- Top brand battery, A-grade quality, 6000 cycles
- Modular mobile three-dimensional design, easy to install and expand, plug and play
- High charging and discharging current, suitable for solar energy storage systems, with various safety and certification real-time monitoring, CAN/RS485/RS232 communication interface

Specification

| Item | BSQ-30kWH | BSA-30kWH |
|------------------------------|--|-----------|
| Nominal voltage | 51.2V | 51.2V |
| Nominal capacity | 280Ah | 314Ah |
| | 14.336kWH | 16kWH |
| Cycle life | >6000 cycles, 0, 5C charge- discharge, DOD>80% | |
| Charge protection voltage | 56.8V | |
| Discharge protection voltage | 46.4V | |
| Max charging current | 150A | 200A |
| Max discharge current | ≤100A | ≤150A |
| Battery dimension | 870*508*255 | |
| Parallel | Support | |
| Protection level | IP54 | |
| Battery weight | 131kg not include installation components | |
| Working temp range | Charge: 0°C-50°C | |
| Storage temp range | -20°C-60°C | |



BSA Series 15KWH

Flexible Floor-Standing Energy Storage

Product Highlights:

- Top brand battery, A-grade quality, 6000 cycles
- Modular mobile three-dimensional design, easy to install and expand plug and play
- High charging and discharging current, suitable for solar energy storage systems, with various safety and certification real-time monitoring, CAN2.0/RS485 communication interface

Specification

| Item | BSA-15kWH | BSA-15kWHs |
|----------------------------|---|------------|
| Nominal voltage | 51.2V | 51.2V |
| Nominal capacity | 280Ah | 314Ah |
| Limited charge voltage | 58.4V MAX | |
| Working voltage | 44.8~58.4V | |
| Max charging current | 140A | |
| Discharge cut-off voltage | 44.8V | |
| Standard discharge current | 56A | |
| Max discharge current | 140A | |
| Connection method | 16S1P | |
| Cell model | 3.2V 280Ah / 3.2V 314Ah | |
| Protection level | IP51 | |
| Parallel | Support | |
| Battery dimension | 390*220*1130 | |
| Battery weight | 100kg not include installation components | |
| Working temp range | Charge:0~45°CAt10%-90%RH Discharge:-20°C-60°C | |
| Storage temp range | 15°C~25°C:9months At50%-60%SOC0°C35°C:6v-20°C~45°C:1month | |



BSQ Series 30kWH

- Flexible Floor-Standing Energy Storage

Product Highlights:

- Top brand battery, A-grade quality, 6000 cycles
- Modular mobile three-dimensional design, easy to install and expand, plug and play
- Intelligent Battery Management System (BMS), Intelligent Current Blocker, Quadruple Safety Protection: Voltage Protection, Temperature Protection, and Current Dual Protection

Specification

| Item | BSQ-30kWH | BSA-30kWHs |
|------------------------------|---|------------|
| Nominal voltage | 51.2V | 51.2V |
| Nominal capacity | 560Ah | 628Ah |
| | 28.672kWH | 32kWH |
| Cycle life | >6000 cycles, 0, 5C charge- discharge, DOD>80% | |
| Charge protection voltage | 56.8V | |
| Discharge protection voltage | 46.4V | |
| Max charging current | 200A | |
| Max discharge current | 200A | |
| Battery dimension | 800*360*862mm | |
| Parallel | Support | |
| Protection level | IP54 | |
| Battery weight | 249kg not include installation components | |
| Working temp range | -20°C~60°C | |
| Storage temp range | 15°C~25°C:9months At50%-60%SOC0°C35°C:6v-20°C~45°C:1month | |



BSL Series

- Lead acid replacement LFP 12.8V 6Ah~300Ah

Product Highlights:

- Top brand battery, A-grade quality LFP battery, 6000 cycles
- Good stability in high-temperature environment
- Reduce the risk of combustion and explosion
- Longer cycle life than lead acid battery

Specification

| Item | BSL-112007 | BSL-112020 | BSL-112050 | BSL-112075 | BSL-1120100 | BSL-1120150 | BSL-1120200 | BSL-1120300 |
|--------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Nominal voltage | 12.8V | | | | | | | |
| Nominal capacity | 7Ah | 20Ah | 50Ah | 75Ah | 100Ah | 150Ah | 200Ah | 300Ah |
| Operating voltage | 10-14.6V | | | | | | | |
| Max. charging current | 7A | 20A | 50A | 75A | 100A | 100A | 100A | 100A |
| Max. discharging current | 7A | 20A | 50A | 75A | 100A | 100A | 100A | 100A |
| Dimensions | 150*65*94 | 176*166*125 | 299*138*208 | 256*165*210 | 256*165*210 | 337*180*212 | 337*180*212 | 522*240*218 |
| Battery weight | 1.05kg | 2.5kg | 6kg | 7.3kg | 10.5kg | 16kg | 22kg | 30.5kg |
| Working temp | -10℃-50℃ | | | | | | | |



BSH Series

- High-voltage lithium battery LFP 51.2V 100Ah~614.4V100Ah

Product Highlights:

- Top brand battery, A-grade quality LFP battery, 6000 cycles
- Good stability in a high-temperature environment
- Communication RS485/RS232/CAN
- Modular Design for Scalability, Systems from 51.2V up to 614.4V can be modularized to fit residential, commercial, and utility-scale applications.

Specification

| Item | BSH-5K | BSH-20K | BSH-25K | BSH-30K | BSH-35K | BSH-40K | BSH-46K | BSH-51K | BSH-56K | BSH-61K |
|------------------------------------|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Nominal voltage | 51.2V | 204.8V | 256V | 307.2V | 358.4V | 409.6V | 460.8V | 512V | 563.2V | 614.4V |
| Nominal capacity | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah | 100Ah |
| Nominal capacity | 5.12kWH | 20.48kWH | 25.6kWH | 30.72kWH | 35.84kWH | 40.96kWH | 46.08kWH | 51.2kWH | 56.32kWH | 61.44kWH |
| Discharge cut-off voltage | 44V | 176V | 220V | 264V | 308V | 352V | 396V | 440V | 484V | 528V |
| Charge cut-off voltage | 56.8V | 227.2V | 284V | 340.8V | 397.6V | 454.4V | 511.2V | 568V | 624.8V | 681.6V |
| Recommend charge/discharge current | 60A | | | | | | | | | |
| Max.charge/discharge current | 100A | | | | | | | | | |
| Dimensions Rack | 440*442*133 | 560*510*1210 | 560*510*1210 | 560*510*1210 | 560*510*1638 | 560*510*1638 | 560*510*1780 | 560*510*1780 | 560*510*2060 | 560*510*2060 |
| Battery weight | 44kg | 240kg | 280kg | 325kg | 375kg | 420kg | 475kg | 520kg | 575kg | 620kg |
| Working temp | 0°C~50°C Charge /-10°C~50°C Discharge | | | | | | | | | |
| Storage temp | -20°C~60°C | | | | | | | | | |
| Communication | RS485/RS232/CAN | | | | | | | | | |
| Cycle Life | 0.5C / 0.5C 80% DOD >6000 cycles | | | | | | | | | |

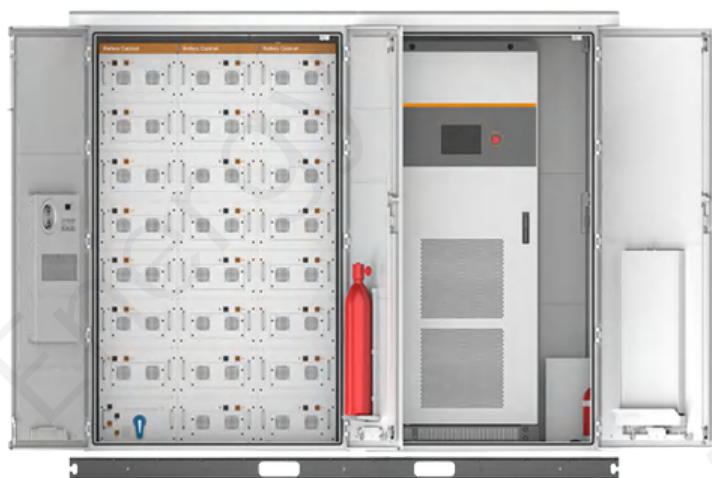
Outdoor Cabinet Type ESS

- Small C&I, hospitals, conferences, weak power grid areas



Product Highlights:

- Support flexible expansion of PV capacity.
- Support simultaneous access to load, battery, grid, DG, and PV.
- Integrated EMS function, safe and stable.
- Built-in isolation transformer, with strong load adaptability.
- Support battery capacity and discharge time prediction.
- Supports peak shaving and dynamic transformer capacity expansion.



Specification

| Item | ESSQ0030CB-0055 | ESSQ0050CB-0055 | ESSQ0050CB-0100 | ESSQ0100CB-0215 |
|----------------------------------|--|-------------------|-------------------|-------------------|
| Rated power (kW) | 30 | 50 | 50 | 100 |
| Rated voltage (V) | 400V | | | |
| Rated current (A) | 43 | 72 | 72 | 144 |
| Voltage range (V) | 320V-460V | | | |
| Rated frequency | 50/60Hz | | | |
| THDi(on-grid) | <3% | | | |
| THDi(off-grid) | ≤ 1% linear; ≤ 5% non-linear | | | |
| Power factor | 1 (0.8 leading ~ 0.8 lagging can be set) | | | |
| AC output | 3W+N+PE | | | |
| Isolation transformer | 100/400 | 200/400 | 200/400 | 270/400 |
| On-grid off-grid switching | YES | | | |
| Max.PV input voltage (V) | 1,000 | | | |
| Max. PV power (kW) | 60/120 | 60/120 | 60/120 | 120/180/240 |
| MPPT operating voltage range (V) | 250~850 | | | |
| MPPT full load voltage range (V) | 450~850 | | | |
| Cell type | 3.2V/120Ah/1C,LFP | 3.2V/120Ah/1C,LFP | 3.2V/280Ah/1C,LFP | 3.2V/280Ah/1C,LFP |
| Nominal voltage(V) | 460.8V, 1P144S | 460.8V, 1P144S | 358.4V, 1P112S | 768V, 1P240S |
| Nominal energy (kWh) | 55.296 | 55.296 | 100.352 | 215.04 |
| Working voltage range (V) | 403.2~511.2 | 403.2~511.2 | 319.2~397.6 | 672~850 |
| Max. charge and discharge rate | 1C@25°C | 1C@25°C | 0.5C@25°C | 0.5C@25°C |
| Cycles | ≥3,800 | ≥3,800 | ≥5,000 | ≥5,000 |
| Dimensions W *D *H (mm) | 1,770*1,510*2,270 | 1,770*1,510*2,270 | 1,770*1,510*2,270 | 2,450*1,550*2,400 |
| Net weight (kg) | 2,000 | 2,200 | 2,400 | 3,900 |
| Operating temperature (°C) | 0 ~ +45 | | | |
| Relative humidity | 0 ~95% (non-condensing) | | | |
| Ingress protection | IP54 | | | |
| Noise emission (dB) | <75 | | | |
| Operating altitude (m) | 3,000 | | | |
| Cooling | Intelligent air cooling | | | |
| Display | Touch LCD display+cloud platform | | | |

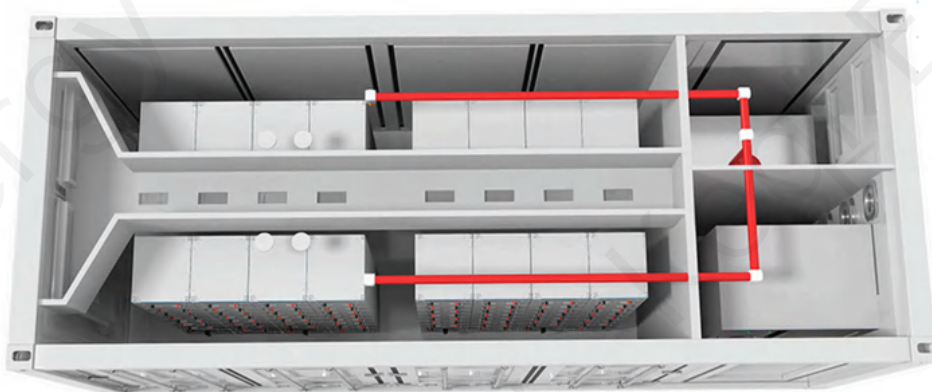


Container ESS

- Specifically designed for large energy storage power stations.

Product Highlights:

- Standardized design, easy to expand and maintain.
- Support simultaneous access to load, battery, grid, DG, and PV.
- Support battery management system and comprehensive thermal management.
- Support real-time online monitoring of system status.
- Diversified selection of equipment capacity.
- Multiple working modes can be flexibly set.



Specification

| Item | ESSHC0500 | ESSHC01000 |
|----------------------------------|--|--------------------|
| Rated power (kW) | 500 | 1,000 |
| Rated voltage (V) | 400V | |
| Rated current (A) | 722A | 1,445A |
| Voltage range (V) | 320V-460V | |
| Rated frequency | 50/60Hz | |
| THDi(on-grid) | <3% | |
| THDi(off-grid) | ≤ 1% linear; ≤ 5% non-linear | |
| Power factor | 1 (0.8 leading ~ 0.8 lagging can be set) | |
| AC output | 3W+N+PE | |
| Over load | 110% Long term | |
| Isolation transformer | 315/400 | |
| On -grid off-grid switching | YES | |
| Max.PV input voltage (V) | 1,000 | |
| Max. PV power (kW) | 600/660/720 | 1,200/1,320/1,440 |
| MPPT operating voltage range (V) | 250~850 | |
| MPPT full load voltage range (V) | 450~850 | |
| Buck-boost mode | Support | |
| Cell type | 3.2V/280Ah, LFP | 3.2V/280Ah, LFP |
| Nominal voltage(V) | 768V/1P240S | 768V/1P240S |
| Nominal energy (MWh) | 1.0752 | 2.1504 |
| Working voltage range (V) | 672~850V | 672~850V |
| Max. charge and discharge rate | 0.5C@25°C | 0.5C@25°C |
| Cycles | ≥5000 | ≥5,000 |
| Dimensions W *D *H (mm) | 6,058×2,438×2,896 | 12,192×2,438×2,896 |
| Net weight (kg) | 21,000 | 38,000 |
| Operating temperature (°C) | 0 ~ +45 | |
| Relative humidity | 0 ~95% (non-condensing) | |
| Ingress protection | IP54 | |
| Noise emission (dB) | <75 | |
| Operating altitude (m) | 3,000 | |
| Cooling | Intelligent air cooling | |
| Display | Touch LCD display+cloud platform | |

Portable Power Station

PA300W/PA600W/PA1000W/PA2000W/PA3000W



- LCD screens display real-time power levels.
- Equipped with Type-C and dual three-prong AC outlets, meeting daily backup power needs.
- Integrated LED lighting enhances usability during nighttime operations.
- Portable design supports multiple use scenarios and can be combined with solar panels for off-grid applications.

Specification

| Item | PA300-268Wh | PA600-640Wh | PA1000-1280Wh | PA2000-2560Wh | PA3000-3400Wh |
|---------------------|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Rated voltage (V) | 110VAC / 220VAC | | | | |
| Solar Panel | 100W (Optional) | 160W (Optional) | 350W(Optional) | 430W (Optional) | 430W (Optional) |
| Battery type | LFP lithium battery | | | | |
| Battery capacity | 268Wh | 600Wh | 1280Wh | 2560Wh | 3400Wh |
| Input voltage | AC 185-220V | | | | |
| Input frequency | 50/60Hz | | | | |
| AC Output | 3-pin power outlet *2 | 3-pin power outlet *2 | 3-pin power outlet *3 | 3-pin power outlet *4 | 3-pin power outlet *4 |
| USB / Type-C Output | USB *3 , Type-C *1 | USB *5 , Type-C *1 | USB *5 , Type-C *1 | USB *5, Type-C *1 | USB *5, Type-C *1 |
| DC Output | 12V5A | 12/20A max | | | |
| PV Input | PWM, 18V 200W max | PWM, 18V 200W max | MPPT,18V-45V 500W max | | |
| Dimension | 270*150*179mm | 270*150*179mm | 320*210*210 | 420*300*260 | 420*300*260 |
| Relative humidity | 0 ~95% (non-condensing) | | | | |
| Noise emission (dB) | <55 | | | | |
| Display | LCD | | | | |
| Color | Grey / Green / White / OEM | | | | |

Portable Power Station

PS600-640Wh



- LCDs display the power level
- Supports wireless charging for mobile phones, convenient and easy to use
- Support mains, photovoltaic, and vehicle charging
- Portable, with multiple usage scenarios, and can be combined with photovoltaic panels in an off-grid manner
- Type-C and 3 * three-hole sockets to meet the daily use of backup power
- Equipped with LED lighting to enhance the ability of night operation

Specification

| Item | PS600-640Wh |
|---------------------|--------------------------------|
| Rated voltage (V) | 110/220VAC |
| Solar Panel | 100W (Suggestion) |
| Battery type | LFP lithium battery |
| Battery capacity | 768Wh |
| Input voltage | AC 110 / 220V / DC 5V / DC 12V |
| Input frequency | 50/60Hz |
| AC Output | 3-pin power outlet |
| USB Output | QC3.0 * 5, Type-C *1 |
| DC Output | 12V5A |
| Dimension | 300*250*333 |
| Relative humidity | 0 ~95% (non-condensing) |
| Noise emission (dB) | <55 |
| Display | LCD |
| Color | Grey |

Portable Power Station

2560Wh Wireless Charging Energy storage



- LCDs display the power level
- Portable, with multiple usage scenarios, and can be combined with photovoltaic panels in an off-grid manner
- Support mains, photovoltaic, and vehicle charging
- 2* Type- C and 4 * three-hole sockets to meet the daily use of backup power
- Equipped with LED lighting to enhance the ability of night operation
- It supports wireless charging for mobile phones, making it convenient and easy to use

Specification

| Item | PS1500-1280Wh |
|---------------------|--|
| Rated voltage (V) | 110/220VAC |
| Solar Panel | 200W (Suggestion) |
| Battery type | LFP lithium battery |
| Battery capacity | 2560 |
| Input voltage | AC 110 / 220V/ DC 29.2V5A / DC 36V5A / XT90 36V20A |
| Input frequency | 50/60Hz |
| AC Output | 3-pin power outlet * 4 |
| USB Output | QC3.0 * 4, Type-C *2 |
| DC Output | 24V5A, 5521*2 |
| XT90 Input | 36V 20A |
| Dimension | 300*250*333 |
| Relative humidity | 0 ~95% (non-condensing) |
| Noise emission (dB) | <55 |
| Display | LCD |
| Color | Grey |

Customized Batteries

- Widely used in beauty instruments/mobile lighting/medical equipment communication equipment/audio equipment/intelligent robots/military and police equipment/vehicle electronics/solar street lights/power tools/photographic equipment/and more.
- Strong customizability, high cost performance, greatly reducing production costs.



Solar Lights

Solar Fnas

Solar Street Light T1

- Easy Installation – No wiring required, ideal for off-grid areas to save on labor and energy costs.
- Durable & Weatherproof – IP65-rated corrosion-resistant aluminum housing, suitable for various environments including islands and inland regions.
- High-Brightness LEDs – Designed for mounting heights above 6 meters, providing strong illumination.
- Versatile Applications – Ideal for municipal projects, industrial parks, rural roads, and private courtyards.
- High-Efficiency Solar Panel – Equipped with premium monocrystalline silicon panel and smart light sensor for automatic dusk-to-dawn operation.
- Customizable Options – Lamp size, brightness, and lighting duration can be tailored to your specific needs.



Specification

| Item | T1-60W | T1-80W | T1-100W | OEM |
|-------------------------------|---|------------|------------|-------------------------|
| Recommend installation height | 4-6m | 6-8m | 8m | According to your needs |
| Solar panel type | Monocrystalline Solar Panel | | | |
| Solar panel | 60W | 80W | 100W | Optional |
| Battery type | LFP | LFP | LFP | LFP |
| Material | Aluminum | | | |
| CT | 6500K (Default) | | | |
| Operation mode | Auto Sensor (Default) / Motion Sensor & Auto Sensor / Timer | | | |
| Lighting hours | Lasts for more than 12 hours | | | According to your needs |
| IP Grade | IP65 | | | |
| Induction Angle | 120 degree | 120 degree | 120 degree | 120 degree |
| Raining days backup | 3days | 3days | 3days | According to your needs |

Solar Street Light T2

- Easy Installation – No wiring required, ideal for off-grid areas to save on labor and energy costs.
- Durable & Weatherproof – IP65-rated corrosion-resistant aluminum housing, suitable for various environments including islands and inland regions.
- High-Brightness LEDs – Designed for mounting heights above 6 meters, providing strong illumination.
- Versatile Applications – Ideal for municipal projects, industrial parks, rural roads, and private courtyards.
- High-Efficiency Solar Panel – Equipped with premium monocrystalline silicon panel and smart light sensor for automatic dusk-to-dawn operation.
- Customizable Options – Lamp size, brightness, and lighting duration can be tailored to your specific needs.



Specification

| Item | T2-60W | T2-80W | T2-100W | OEM |
|-------------------------------|---|------------|------------|-------------------------|
| Recommend installation height | 4-6m | 6-8m | 8m | According to your needs |
| Solar panel type | Monocrystalline Solar Panel | | | |
| Solar panel | 60W | 80W | 100W | Optional |
| Battery type | LFP | LFP | LFP | LFP |
| Material | Aluminum | | | |
| CT | 6500K (Default) | | | |
| Operation mode | Auto Sensor (Default) / Motion Sensor & Auto Sensor / Timer | | | |
| Lighting hours | Lasts for more than 12 hours | | | According to your needs |
| IP Grade | IP65 | | | |
| Induction Angle | 120 degree | 120 degree | 120 degree | 120 degree |
| Raining days backup | 3days | 3days | 3days | According to your needs |

Solar Street Light T3

- Easy Installation – No wiring required, ideal for off-grid areas to save on labor and energy costs.
- Durable & Weatherproof – IP65-rated corrosion-resistant aluminum housing, suitable for various environments including islands and inland regions.
- High-Brightness LEDs – Designed for mounting heights above 4 meters, providing strong illumination.
- Versatile Applications – Ideal for municipal projects, industrial parks, rural roads, and private courtyards.
- High-Efficiency Solar Panel – Equipped with a premium monocrystalline silicon panel and a smart light sensor for automatic dusk-to-dawn operation.
- Customizable Options – Lamp size, brightness, and lighting duration can be tailored to your specific needs.



Specification

| Item | T3-40W | T1-60W | T1-80W | OEM |
|-------------------------------|---|------------|------------|-------------------------|
| Recommend installation height | 3-4m | 4-6m | 6-8m | According to your needs |
| Solar panel type | Monocrystalline Solar Panel | | | |
| Solar panel | 40W | 60W | 80W | Optional |
| Battery type | LFP | LFP | LFP | LFP |
| Material | Aluminum | | | |
| CT | 6500K (Default) | | | |
| Operation mode | Auto Sensor (Default) / Motion Sensor & Auto Sensor / Timer | | | |
| Lighting hours | Lasts for more than 12 hours | | | According to your needs |
| IP Grade | IP65 | | | |
| Induction Angle | 120 degree | 120 degree | 120 degree | 120 degree |
| Raining days backup | 3days | 3days | 3days | According to your needs |
| Dimension | 940*300mm | | | -- |

Solar Street Light A100

- Easy Installation - No wiring required, ideal for off-grid areas to save on labor and energy costs.
- Durable & Weatherproof - IP65-rated corrosion-resistant aluminum housing, suitable for various environments including islands and inland regions.
- High-Brightness LEDs - Designed for mounting heights above 3 meters, providing strong illumination.
- Versatile Applications - Ideal for municipal projects, industrial parks, rural roads, and private courtyards.
- High-Efficiency Solar Panel - Equipped with a premium monocrystalline silicon panel and a smart light sensor for automatic dusk-to-dawn operation.
- Customizable Options - Lamp size, brightness, and lighting duration can be tailored to your specific needs.



Lens and Light Source Options:
Acrylic lens with SMD light source
Glass lens with COB light source

Specification

| Item | A100-50W | A100-100W | A100-150W | A100-200W | OEM |
|-------------------------------|--------------------------------------|------------|------------|------------|-------------------------|
| Recommend installation height | 3-4m | 4-5m | 4-6m | 6m | According to your needs |
| Dimension | 500*220mm | 700*220mm | 900*220mm | 1000*220mm | |
| Solar panel type | Monocrystalline Solar Panel | | | | |
| Solar panel | 15W | 20W | 25W | 30W | Optional |
| Battery type | LFP | LFP | LFP | LFP | LFP |
| Material | Aluminum | | | | |
| CT | 6500K (Default) | | | | |
| Operation mode | Motion Sensor & Auto Sensor & Remote | | | | |
| Lighting hours | Lasts for more than 12 hours | | | | According to your needs |
| IP Grade | IP65 | | | | |
| Induction Angle | 150 Degree | 150 Degree | 150 Degree | 150 Degree | 150 Degree |
| Raining days backup | 3days | 3days | 3days | 3days | According to your needs |

Solar Street Light A300

- Easy Installation – No wiring required, ideal for off-grid areas to save on labor and energy costs.
- Durable & Weatherproof – IP65-rated corrosion-resistant aluminum housing, suitable for various environments including islands and inland regions.
- High-Brightness LEDs – Designed for mounting heights above 4 meters, providing strong illumination.
- Versatile Applications – Ideal for municipal projects, industrial parks, rural roads, and private courtyards.
- High-Efficiency Solar Panel – Equipped with a premium monocrystalline silicon panel and a smart light sensor for automatic dusk-to-dawn operation.
- Customizable Options – Lamp size, brightness, and lighting duration can be tailored to your specific needs.



Lens and Light Source Options:
Acrylic lens with SMD light source
Glass lens with COB light source

Specification

| Item | A300-SMD/COB | OEM |
|-------------------------------|--|-------------------------|
| Recommend installation height | 6M | According to your needs |
| Solar panel type | Monocrystalline Solar Panel | |
| Solar panel | 50W | Optional |
| Battery type | LFP | LFP |
| Material | Aluminum | |
| CT | 6500K (Default) | |
| Operation mode | Auto Sensor (Default) / Motion Sensor & Auto Sensor & Remote / Timer | |
| Lighting hours | Lasts for more than 12 hours | According to your needs |
| IP Grade | IP65 | |
| Induction Angle | 150 Degree | 150 Degree |
| Raining days backup | 3days | According to your needs |
| Dimension | 1000*340*50mm | -- |

Solar Flood Light B25

Wi-Fi / 4G / Non-camera version

- Easy Installation – No wiring required. Perfect for off-grid areas, helping reduce labor costs while saving energy.
- IP65 Waterproof & Corrosion-Resistant – Built with high-quality aluminum housing, suitable for all environments, whether coastal or inland.
- High-Brightness LED Beads – Ideal for mounting heights between 2 to 6 meters, providing wide-area illumination.
- High-Efficiency Monocrystalline Solar Panel – Features a premium solar panel with a high conversion rate and an automatic light sensor for dusk-to-dawn operation.
- Model B25-100WS-300WS with the camera version supports 4G or Wi-Fi connectivity, offers a resolution of 5MP, and enables 24/7 real-time monitoring.



Specification

| Item | B25-100WS | B25-200WS | B25-300WS | B25-100WX | B25-200WX | B25-300WX |
|-------------------------------|--|--------------|--------------|--------------------------|--------------|--------------|
| Recommend installation height | 2-3m | 4-5m | 6m | 2-3m | 4-5m | 6m |
| Dimension | 267*190*86MM | 300*220*93MM | 330*240*94MM | 267*190*86MM | 300*220*93MM | 330*240*94MM |
| Solar panel type | Monocrystalline Solar Panel | | | | | |
| Solar panel | 30W | 40W | 50W | 20W | 25W | 35W |
| Battery type | LFP | LFP | LFP | LFP | LFP | LFP |
| Battery capacity | 25Ah | 30Ah | 40Ah | 15Ah | 20Ah | 30Ah |
| Material | Aluminum | | | | | |
| CT | 6500K (Default) | | | | | |
| Operation mode - Lighting | Auto Sensor (Default) + Remote Control | | | | | |
| Lighting hours | Lasts for more than 12 hours | | | | | |
| IP Grade | IP65 | | | | | |
| Operation mode - CCTV | 24/7 real-time monitoring | | | None-(no camera version) | | |
| Camera resolution | 5MP resolution | | | None-(no camera version) | | |
| Connectivity | Wi-Fi / 4G | | | None-(no camera version) | | |
| Remote Access | Mobile app viewing | | | None-(no camera version) | | |

Solar Street Light A25WS/WX

Wi-Fi / 4G / Non- Su人 version

- Easy Installation – No wiring required. Perfect for off-grid areas, helping reduce labor costs while saving energy.
- IP65 Waterproof & Corrosion-Resistant – Built with high-quality ABS housing, suitable for all environments, whether coastal or inland.
- High-Brightness LED Beads – Ideal for mounting heights between 2 to 6 meters, providing wide-area illumination.
- High-Efficiency Monocrystalline Solar Panel – Features a premium solar panel with a high conversion rate and an automatic light sensor for dusk-to-dawn operation.
- Model A25-300WS-500WS with the camera version supports 4G or Wi-Fi connectivity, offers a resolution of 5MP, and enables 24/7 real-time monitoring.



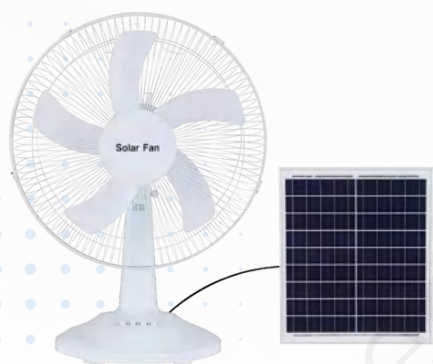
(Camera version)

(No camera version)

Specification

| Item | A25-300WS | A25-500WS | A25-100WX | A25-200WX | A25-300WX | A25-400WX | A25-500WX |
|-------------------------------|--|--------------|--------------------------|--------------|--------------|--------------|--------------|
| Recommend installation height | 3-4m | 4-6m | 3-4m | 3-5m | 4-6m | 4-6m | 4-6m |
| Dimension | 689*237*64MM | 713*342*82MM | 439*236*64MM | 559*236*64MM | 689*237*64MM | 531*340*82MM | 713*342*82MM |
| Solar panel type | Monocrystalline Solar Panel | | | | | | |
| Solar panel | 30W | 40W | 10W | 14W | 18W | 20W | 30W |
| Battery type | LFP | LFP | LFP | LFP | LFP | LFP | |
| Battery capacity | 25Ah | 40Ah | 5Ah | 10Ah | 15Ah | 15Ah | 25Ah |
| Material | ABS Plastic | | | | | | |
| CT | 6500K (Default) | | | | | | |
| Operation mode - Lighting | Auto Sensor (Default) + Remote Control + Motion Sensor | | | | | | |
| Lighting hours | Lasts for more than 12 hours | | | | | | |
| IP Grade | IP65 | | | | | | |
| Operation mode - CCTV | 24/7 real-time monitoring | | None-(no camera version) | | | | |
| Camera resolution | 5MP resolution | | None-(no camera version) | | | | |
| Connectivity | Wi-Fi / 4G | | None-(no camera version) | | | | |
| Remote Access | Mobile app viewing | | None-(no camera version) | | | | |

Solar Fan



Solar Pedestal Fan

- Off-grid Operation:

Perfect for remote locations or areas with unstable electricity.

- Modular Design:

Compatible with various solar panel sizes and battery capacities.

- Multiple Speed Settings:

Adjustable airflow to meet different needs.

| Model | Solar Pedestal Fan |
|----------------|--|
| Solar Panel | 12W Moni-si |
| Battery | Lithium Battery |
| Charging Hours | 3-5Hours |
| Functional | Timer Function / 1-12-speed control available |
| Working Hours | 5-12Hours Depends on the selected wind speed level |
| AC charging | 2A Adapter Charger |
| Fan Size | 16inch |

Solar Pedestal Fan

- Off-grid Operation:

Perfect for remote locations or areas with unstable electricity.

- Modular Design:

Compatible with various solar panel sizes and battery capacities.

- Multiple Speed Settings:

Adjustable airflow to meet different needs.



| Model | Solar Pedestal Fan |
|----------------|---|
| Solar Panel | 20W Moni-si |
| Battery | Lithium Battery |
| Charging Hours | 4-6 Hours |
| Functional | Timer Function / 1-3-speed control available |
| Working Hours | 10-12Hours Depends on the selected wind speed level |
| AC charging | 2A Adapter Charger |
| Fan Size | 16inch, H:120cm |



Your One-Stop Residential / Commercial ESS Specialist

Project Case



📍 200kWh in Philippine
📅 May 2025



📍 275kWh in Philippine
📅 March 2025



📍 110kWh in Indonesia
📅 August 2022



📍 110kWh in Indonesia
📅 June 2022



📍 1MWh in Nigeria
📅 May 2022



📍 1MWh in Nigeria
📅 April 2022



📍 210kWh in Vietnam
📅 April 2022



📍 1MWh in Congo
📅 July 2021



📍 310kWh in Congo
📅 May 2021

Empowering Win-Win Partnerships. KEQI Energy , Your Solar Specialist.

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