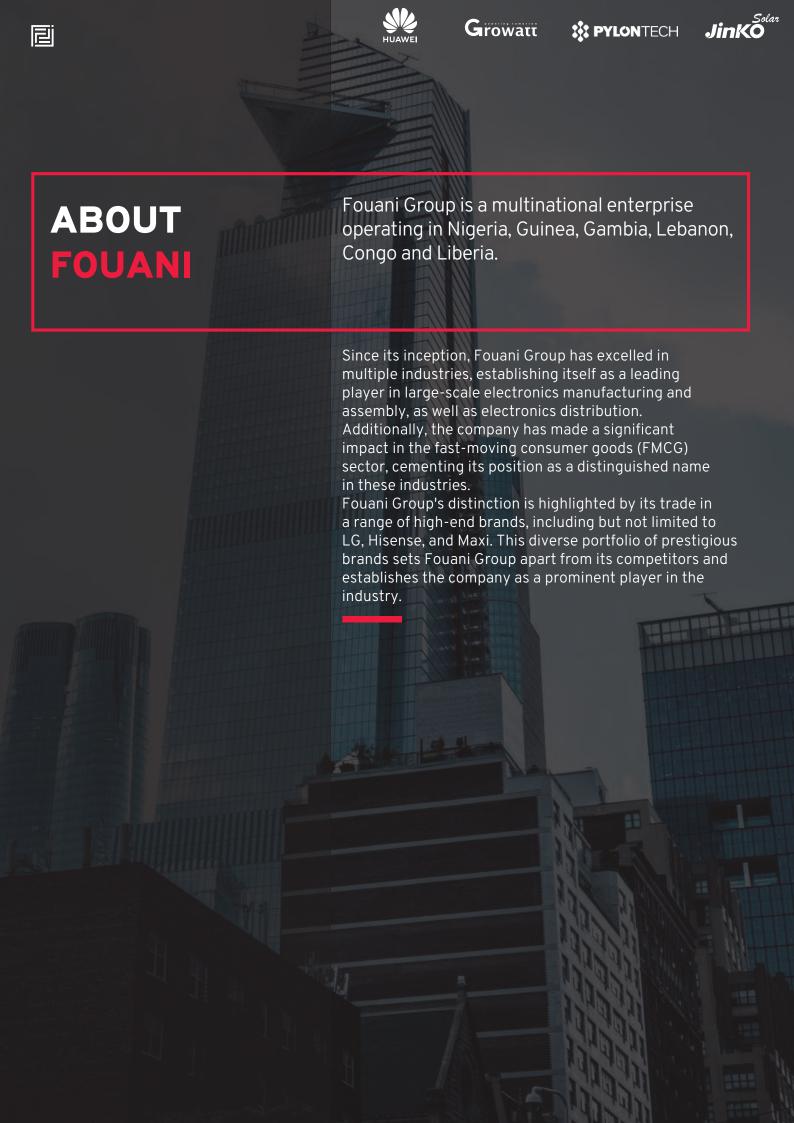


SOLAR POWER BRANDS















Fouani Nigeria Ltd, a subsidiary to the Fouani Group, was founded in 2001 and quickly rose to success, carving an undisputed name and place in a challenging market.

Providing products and services to multinational businesses and conglomerates, as well as many private clients, Fouani Nigeria became the solution to many of the consumer's needs.

What started out as a single outlet in 2001, is now over 50 nation-wide outlets in major cities.

This distinguished expansion was not possible without a great customer satisfaction and a positively encouraging feedback towards our services and products as well as the customer accessibility and the user-friendly methodology we follow to cater to all needs.











SOLAR POWER SOLUTIONS BRANDS













HUAWEI POWER-M

Say Goodbye to Power Outage



- Active Safety
- Seamless Switchover
- Silent and Sleek Design
- Reliable 24 Hours Power Supply
- Built-in Energy Optimizer

Supplementary
Power Supply,
24-hours Uninterrupted
Power









References Configuration & Application Scenarios

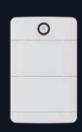
*Recommended configuration only for reference, result might vary.

2.5 kW + 5 kWh | 3 - 4 hrs | 1750W



Lamp x2
Home Theatre x2
TV & Console x2
Blender x1
Fan x1
Refrigerator x1
Washing Machine x1

5.0 kW + 10 kWh | 3 - 4 hrs | 3150W



Lamp x3
Home Theatre x3
TV & Console x3
Blender x1
Fan x2
Refrigerator x1
Inverter AC x1
Washing Machine x1

5.0 kW + 15 kWh | 3 - 4 hr | 4150W



Lamp x3
Home Theatre x3
TV & Console x3
Blender x1
Fan x2
Refrigerator x1
Microwave x1
Inverter AC x1
Washing Machine x1

10 kW + 20 kWh | 3 - 4 hr | 7950W



Lamp/Home Theatre x3 TV & Console x3 Blender x1 Fan x2 Refrigerator x1 Electric Kettle x1 Electric Iron x1 Microwave x1 Inverter AC x2 Washing Machine x1

10 kW + 30 kWh | 4 - 5 hr | 7950W



Lamp/Home Theatre x3
TV & Console x3
Blender x1
Fan x2
Refrigerator x1
Electric Kettle x1
Electric Iron x1
Microwave x1
Inverter AC x2
Washing Machine x1

15 kW + 30 kWh | 3 - 4 hr | 10000W



Lamp/Home Theatre TV & Console x4 Blender x1 Fan x4 Refrigerator x3 Electric Kettle x1 Electric Iron x1 Microwave x1 Inverter AC x3 Washing Machine x1

15 kW + 45 kWh | 4 - 5 hr | 10000W



Lamp/Home Theatre x4
TV & Console x4
Blender x1
Fan x4
Refrigerator x3
Electric Kettle x1
Electric Iron x1
Microwave x1
Inverter AC x3
Washing Machine x1







Typical configuration: POWER-S





15kW+30kWh



- 18kVA Inverter
- 16kW Battery charger
- 16kW Solar MPPT charger
- 28.8kWh Lithium battery
- 3*200Ah,0.5C,6500cycles



60kW+120kWh



- 72kVA Inverter
- 32kW Battery charger
- 64kW Solar MPPT charger
- 115.2kWh Lithium battery
- 12*200Ah,0.5C,6500cycles



30kW



- 36kVA Hybrid inverter
- · 16kW Battery charger
- · 32kW Solar MPPT Charger

Indoor



30kW+60kWh



- 36kVA Inverter
- · 16kW Battery charger
- 32kW Solar MPPT charger
- 57.6kWh Lithium battery
- 6*200Ah,0.5C,6500cycles



60kWh



- 57.6kWh Lithium battery
- 6*200Ah,0.5C,6500cycles
- optional



8kW-PVDU



Solar access capacity expansion:

- 8kW Solar MPPT Charger
- Optional



30kW+30kWh



- 36kVA Inverter
- · 16kW Battery charger
- · 32kW Solar MPPT charger
- 28.8kWh Lithium battery
- 6*100Ah,1C,6000cycles

Outdoor



60kW+60kWh



72kVA Inverter
32kW Battery charger
64kW Solar MPPT charger
57.6kWh Lithium battery

12*100Ah,1C,6000cycles

Remark:

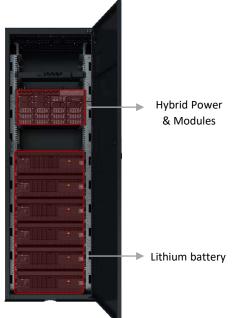
- 1. Including: battery, inverter, battery charger, solar MPPT, bypass, AC SPD, EMS, D.G. controller, internal cables, communications module.
- 2. Common C&I: Typical average load PF ≥ 0.83; Data Center Equipment: Typical average load PF~1.
- 3. Local touch color screen is optional

Indoor Power & Battery system ICC200-N6-H2 Specification





Indoor 36kVA power





Hybrid Power ETP23036-C6A1 36kVA AC@6U



ESM-48100A7

Maximum 6 pcs per cabinet



ESM-48200A1

Maximum 3 pcs per cabinet

| Technical Specifications | | ICC200-N6-H2 | | |
|--------------------------|----------------------------|--|--------------------------------------|--|
| D) (' t | Input voltage | 90~440 V DC | | |
| PV input | Power | 4kW per module | | |
| | Rated input voltage | Three-phase, 85~300Vac | | |
| AC innut | Rated input frequency | 45~66Hz | | |
| AC input | Max. input current | 3 x 120 A | | |
| | AC bypass | 36kVA | | |
| | Rated output power | 16kW DC/36kVA AC, support 2 connected in parallel: 32kW DC/72kVA AC | | |
| | Rated output voltage | Three-phase, 220V AC | | |
| AC output | Rated output frequency | 50 Hz / 60 Hz | | |
| | Output branch | 1 × 100 A/3P MCB | | |
| DC output | Output voltage | 42V to 58V DC, default: 53.5V DC | | |
| DC output | SPD | 10 kA differential mode, 20 kA common mode, 8/20 μs | | |
| | Battery Model | ESM-48100A7 | ESM-48200A1 | |
| | Battery capacity | 100Ah | 200Ah | |
| | Battery material type | LiFePO4 | LiFePO4 | |
| | Battery dimensions | 442*396*130 mm | 442*560*218 mm | |
| | Battery operating voltage | 44~57 V DC | 44~57 V DC | |
| Battery parameters | Rated voltage | 48V DC | 48V DC | |
| | Maximum charging current | 100 A @ 35℃ | 100 A @ 25℃ | |
| | Maximum discharge current | 100 A | 100 A | |
| | Cycle performance | 6000 @ 0.5C, 85% DOD, 70% EOL, 35℃ | 6500 cycles @0.5C/0.5C,85% DOD, 25ºC | |
| | Numbers per cabinet | 6 | 3 (Need adjustment guide rails) | |
| | Dimensions (W x D x H) | 600 mm ×600 mm ×2000 mm (excluding the base 100mm) | | |
| | Weight | <150 | O kg | |
| | Operating temperature | -20°C~ 45°C | | |
| | Storage temperature | -40°C ˆ | ~ 70°C | |
| | Cooling mode | Natural cooling | | |
| General parameters | Altitude | $0\sim5000$ m (The temperature is derated when the altitude ranges from 2000 m to 5000 m. The temperature decreases by 1°C for each additional 200 m) | | |
| | Relative humidity | 5~95%, non-condensing | | |
| | Protection level | IP20 | | |
| | Protection function | Low-voltage protection, over-voltage protection, over-current protection, over-temperature protection, short-circuit protection, and reverse connection protection | | |
| | Communication type | CAN, RS485, GPRS, IP | | |
| | Authentication certificate | CE, ROHS6 | | |





SUN2000-100KTL-M2 **Smart PV Controller**

SUN2000-100KTL-M2 **Technical Specification**

| echnical Specification | SUN2000-100KTL-M2 |
|---|--|
| | Efficiency |
| A | |
| Max. efficiency | 98.6% @ 400 V, 98.8% @ 480 V |
| European efficiency | 98.4% @ 400 V, 98.6% @ 480 V |
| | Input |
| Max. Input Voltage ¹ | 1,100 V |
| Max. Current per MPPT | 30 A |
| Max. Current per Input ³ | 20 A |
| Max. Short Circuit Current per MPPT | 40 A |
| Start Voltage | 200 V |
| MPPT Operating Voltage Range ² | 200 V ~ 1,000 V |
| Nominal Input Voltage | 600 V @ 400 Vac, 720 V @ 480 Vac |
| Number of MPP trackers | 10 |
| Max. input number per MPP tracker | 2 |
| | Output |
| Nominal AC Active Power | 100,000 W |
| Max. AC Apparent Power | 110,000 VA |
| Max. AC Active Power (cosφ=1) | 110,000 W |
| Nominal Output Voltage | 380 V/ 400 V/ 480 V, 3W+(N)+PE |
| Rated AC Grid Frequency | 50 Hz / 60 Hz |
| Nominal Output Current | 144.4 A @ 400 V, 120.3 A @ 480 V |
| Max. Output Current | 160.4 A @ 400 V, 133.7 A @ 480 V |
| Adjustable Power Factor Range | 0.8 leading 0.8 lagging |
| Max. Total Harmonic Distortion | < 3% |
| | Protection |
| Input side Disconnection Davice | Yes |
| Input-side Disconnection Device | |
| Anti-islanding Protection | Yes |
| AC Overcurrent Protection | Yes |
| DC Reverse-polarity Protection | Yes |
| PV-array String Fault Monitoring | Yes |
| DC Surge Arrester | Type II |
| AC Surge Arrester | Type II |
| OC Insulation Resistance Detection | Yes |
| Residual Current Monitoring Unit Arc Fault Protection | Yes |
| Smart String Level Disconnector | Yes Yes |
| | Communication |
| Display | LED indicators; WLAN adaptor + FusionSolar APP |
| R\$485 | Yes |
| JSB | Yes |
| Smart Dongle-4G | Smart Dongle – 4G / WLAN (Optional) |
| Monitoring BUS (MBUS) | Yes (isolation transformer required) |
| | General Data |
| Dimensions (W x H x D) | 1,035 x 700 x 365 mm |
| | |
| Weight (with mounting plate) | ≤93 kg |
| Operating Temperature Range | -25°C ~ 60°C |
| Cooling Method | Smart Air Cooling |
| Max. Operating Altitude | 4,000 m (13,123 ft.) |
| Relative Humidity | 0 ~ 100% |
| DC Connector | Amphenol Helios H4 |
| AC Connector | Waterproof Connector + OT/DT Terminal |
| Protection Degree | IP66 |
| Topology | Transformerless |
| Nighttime Power Consumption | < 3.5 W |

Standard Compliance (more available upon request) EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 61727, IEC 60068, IEC 61683 VDE-AR-N4105, EN 50549-1, EN 50549-2, RD 661, RD 1699, C10/11

Certificate

Grid Connection Standards

VDE-AR-N4105, EN

*1The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter.

*2 Any DC input voltage beyond the operating voltage range may result in inverter improper operating.

*3 Single-string access.





SUN2000- 50KTL -M3 **Smart PV Controller**

SUN2000-50KTL-M3 **Technical Specification**

| echnical Specification | SUN2000-50KTL-M3 |
|--|--|
| | Efficiency |
| Aax. Efficiency | 98.5% |
| uropean Efficiency | 98.0% |
| uropean Efficiency | 98.0% |
| | Input |
| Max. Input Voltage ¹ | 1,100 V |
| Max. Current per MPPT | 30 A |
| Max. Current per Input | 20 A |
| Max. Short Circuit Current per MPPT | 40 A |
| tart Voltage | 200 V |
| MPPT Operating Voltage Range 2 | 200 V ~ 1,000 V |
| lated Input Voltage | 600 V |
| lumber of Inputs | 8 |
| lumber of MPP Trackers | 4 |
| | Outnut |
| L. LACA II. B | Output |
| ated AC Active Power | 50,000 W |
| Max. AC Apparent Power | 55,000 VA |
| /lax. AC Active Power (cosφ=1) | 55,000 W |
| lated Output Voltage | 400 Vac / 480 Vac, 3W+(N) + PE |
| lated AC Grid Frequency | 50 Hz / 60 Hz |
| lated Output Current | 72.2 A @ 400Vac, 60.1 A @ 480Vac |
| Max. Output Current | 79.8 A @ 400Vac, 66.5 A @ 480Vac |
| djustable Power Factor Range | 0.8 LG 0.8 LD |
| Max. Total Harmonic Distortion | <3% |
| | Protection |
| nput-side Disconnection Device | Yes |
| anti-islanding Protection | Yes |
| C Overcurrent Protection | Yes |
| OC Reverse-polarity Protection | Yes |
| V-array String Fault Monitoring | Yes |
| OC Surge Arrester | Type II |
| C Surge Arrester | * |
| OC Insulation Resistance Detection | Type II Yes |
| | |
| desidual Current Monitoring Unit Arc Fault Protection | Yes Yes |
| tipple Receiver Control | Yes |
| | Yes |
| ntegrated PID Recovery ³ | Tes |
| | Communication |
| Display | LED Indicators, Bluetooth + APP |
| S485 | Yes |
| mart Dongle | WLAN/Ethernet via Smart Dongle-WLAN-FE (Optional) 4G / 3G / 2G via Smart Dongle-4G (Optional) |
| Monitoring BUS (MBUS) | Yes (Isolation Transformer required) |
| | 0 |
| | Optimizer Compatibility |
| OC MBLIC Compatible Outineine | MERC-1100/1300W-P |
| OC MBUS Compatible Optimizer | , |
| OC MBUS Compatible Optimizer | |
| | General Data |
| Dimensions (W x H x D) | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) |
| Dimensions (W x H x D) Veight (with mounting plate) | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) |
| Dimensions (W x H x D) Veight (with mounting plate) Deparating Temperature Range | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) |
| Dimensions (W x H x D) Veight (with mounting plate) Operating Temperature Range Cooling Method | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling |
| Dimensions (W x H x D) Weight (with mounting plate) Departing Temperature Range Cooling Method Max. Operating Altitude | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling 4,000 m (13,123 ft.) |
| Dimensions (W x H x D) Veight (with mounting plate) Deperating Temperature Range Cooling Method Max. Operating Altitude telative Humidity | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling 4,000 m (13,123 ft.) 0% RH ~ 100% RH |
| Dimensions (W x H x D) Veight (with mounting plate) Diperating Temperature Range Cooling Method Jax. Operating Altitude Relative Humidity DC Connector | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling 4,000 m (13,123 ft.) 0% RH ~ 100% RH Amphenol HH4 |
| Dimensions (W x H x D) Veight (with mounting plate) Diperating Temperature Range Cooling Method Jax. Operating Altitude Lelative Humidity C Connector C Connector | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling 4,000 m (13,123 ft.) 0% RH ~ 100% RH Amphenol HH4 Waterproof Connector + OT/DT Terminal |
| Dimensions (W x H x D) Veight (with mounting plate) Departing Temperature Range Cooling Method Max. Operating Altitude Lelative Humidity DC Connector LC Connector Crotection Degree | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling 4,000 m (13,123 ft.) 0% RH ~ 100% RH Amphenol HH4 Waterproof Connector + OT/DT Terminal IP 66 |
| Dimensions (W x H x D) Veight (with mounting plate) Diperating Temperature Range Cooling Method Jax. Operating Altitude Lelative Humidity C Connector C Connector | General Data 640 x 530 x 270 mm (25.2 x 20.9 x 10.6 inch) 49 kg (108.1 lb) -25°C ~ 60°C (-13°F ~ 140°F) Smart Air Cooling 4,000 m (13,123 ft.) 0% RH ~ 100% RH Amphenol HH4 Waterproof Connector + OT/DT Terminal |

Standard Compliance (more available upon request)
EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 60068, IEC 61683
IEC 61727, VDE-AR-N4105, VDE 0126-1-1, BDEW, G59/3, UTE C 15-712-1, CEI 0-16, CEI 0-21, RD 661, RD 1699, Safety Grid Connection Standards

P.O. 12.3, RD 413, EN-50438-Turkey, EN-50438-Ireland, C10/11, MEA, Resolution No.7,
NRS 097-2-1, DEWA

1. The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter.
2. Any DC input voltage beyond the operating voltage range may result in inverter improper operating.
3. SUR2000-30-50KTL-M3 raises potential between PV- and ground to above zero through integrated PID recovery function to recover module degradation from PID. Supported module types include: P-type (mono, poly), N-type (nPERT, HIT)

4. 50KT, Platform only supports C&I Optimizer (MERC-1100/1300W-P). The current version does not support this function and it can be upgraded to optimizer version via new inverter software version (Dec 30th, 2022)

Refer to HTTP://solar.Huawei.com/

LUNA2000-200KWH-2H1

Smart String ESS







More Energy





Safe & Reliable

| · | ic Calvi | | | |
|---|--|--|--|--|
| Energy Storage System Parameters | | | | |
| Battery Configuration | 12S1P | | | |
| Maximum battery capacity of the energy storage system | 193.5 kWh | | | |
| Rated Power | 100 kW | | | |
| Dimensions (W x H x D), including DC/DC and PCS | 2570mm×2135mm×1200mm | | | |
| Dimensions (W x H x D) | 1810mm×2135mm×1200mm | | | |
| Weight (including the battery module) | ≤2950kg | | | |
| Weight (without the battery module) | ≤1070kg | | | |
| Operating temperature range | -30 °C ~ 55 °C | | | |
| Storage temperature range | -40 °C ~ 60 °C | | | |
| Operating humidity range | 0 ~ 100% (non-condensing) | | | |
| Maximum operating altitude | 4,000 m | | | |
| Installation Environment Requirement | Outdoor installation | | | |
| Battery temperature control mode | Industrial-grade air conditioner | | | |
| Fire suppression of energy storage system | YES | | | |
| Auxiliary Power Supply | 220Vac, <=4.2kW | | | |
| Communication port | Ethernet / SFP | | | |
| Communication protocol | Modbus TCP | | | |
| Protection degree | IP55 | | | |
| EMC Protection Rating | ClassA | | | |
| DC Lightning Protection | Type II | | | |
| Standa | ırds | | | |
| Environment | RoHS6 | | | |
| Certification Standards | GBT 36276-2018; IEC62619; UL9540A;UN38.3 | | | |

Battery Pack & Smart Rack Controller **Smart String ESS**







| | General | |
|--------------------------------------|--------------------|--|
| Cell Material | LFP | |
| Nominal Capacity | 16.13kWh | |
| Supported Charge & Discharge Rate | ≤ 0.5 C | |
| Weight | ≤ 140 kg | |
| Dimensions (W x H x D) | 442 x 308 x 660 mm | |
| | | |



| Smart Rack Controller | | |
|-------------------------|--------------------|--|
| Efficiency | | |
| Max. Efficiency | ≥ 98.5.0% | |
| | Battery Side | |
| Rated Voltage | 691.2@280Ah | |
| Operating Voltage Range | 40 V ~ 1,050 V | |
| Min. Start Voltage | 350 V | |
| | Bus Side | |
| Max. DC Voltage | 1,100 V | |
| Rated Voltage | 665 V | |
| Rated Current | 76.3 A | |
| | General | |
| Dimensions (W x H x D) | 600 x 820 x 270 mm | |
| Weight | ≤ 90 kg | |
| Cooling Method | Smart Air Cooling | |
| Protection Degree | IP66 | |















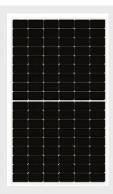






435W Monofacial Solar Panel JINKOM435N-54HL4R-V

N-type M10/182mm Wafer TOPCon Technology Higher Efficiency Lower LCOE **Lower Degradation** Size: 1762×1134×30mm



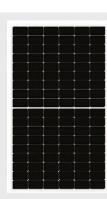
440W Monofacial Solar Panel JINKOSP440N-54HL4-V

N-type M10/182mm Wafer TOPCon Technology Higher Efficiency Lower LCOE **Lower Degradation** Size: 1762x1134x30mm



475W Monofacial Solar Panel JINKOSP475N-60HL4-V

N-type M10/182mm Wafer TOPCon Technology Higher Efficiency Lower LCOE Lower Degradation Size: 1903x1134mmx30mm



550W Monofacial Solar Panel JKM540-72HL4-(V)-F3-EN

P-type M10/182mm Wafer TOPCon Technology Higher Efficiency Lower LCOE Lower Degradation Size: 2278x1134x35mm



580W Monofacial Solar Panel JINKOSP580N-72HL4-V

N-type M10/182mm Wafer TOPCon Technology Higher Efficiency Lower LCOE Lower Degradation Size: 2278x1134x35mm



625W Monofacial Solar Panel JINKOM625N-78HL4-V

N-type M10/182mm Wafer TOPCon Technology **Higher Efficiency** Lower LCOE **Lower Degradation**

Size: 2465×1134×35mm

4660 15 Year Product Warranty 22-23 % Module Efficiency 30 Year Linear Power Warranty









powering tomorrow TOWATT





SPF 3500ES

- Hybrid
 Integrated MPPT charge controller.
 Equalization charging function.
 Work with or without battery
 Configurable grid or solar input priority.
 Optional WIFI/GPRS remote monitoring
 Support parallel operation for capacity expansion
 up to 30kW (6 units maximum).
 PV and grid power the load jointly if PV energy is insufficient.
 Flexibly schedule the Inverter charging and discharging time.
 Pli point voltage up to 450VDC.
 Battery type: Lithium/Lead Acid
 Rated Power: 550VDA
 Maximum Varay Power 4500W
 Inverter Output 3.5KW
 48V Battery voltage
 2 Years Warranty



SPH 3600TL-BL-UP

- Hybrid
- Single Phase
- 2MPPT
- Smart Load Management
- UPS Function < 10MS Transition
- 2.0 DC/AC Ratio
- Max Recommended PV Power 6000W
- Inverter Output 3.6KW
- 10 Pcs Parallel (Grid Tied)
- 5 Years Warranty



SPF 5000ES

- Hybrid
 Integrated MPPT charge controller.
 Equalization charging function.
 Work with or without battery.
 Configurable gold or solar input priority.
 With WIFIGPRS remote monitoring
 Support parallel operation for capacity expansion
 up to 30kW (6 units maximum).
 PV and grid power the load jointly if PV energy is insufficient.
 Flexibly schedule the inverter charging and discharging time.
 Maximum PV array Power 60000- PV input voltage up to 450/VDC.
 Battery type: Lithium/Lead Acid
 Rated Power: 5000VA
 Maximum PSuc Charge Current: 100A
 Inverter Output 5KW
 44W Battery voltage

- 48V Battery voltage 2 Years Warranty



SPH 5000TL-BL-UP

- Hvbrid
- Single Phase
- 2MPPT
- Smart Load Management
- UPS Function < 10MS Transition
- 2.0 DC/AC Ratio
- Max Recommended PV Power 9500W
- Inverter Output 5KW
- 10 Pcs Parallel (Grid Tied)
- 5 Years Warranty



SPF 3000TL-HVM-48

- Hybrid
 Integrated MPPT charge controller
 Configurable grid or solar input priority
 Optional WIFI/ GPRS remote monitoring
 WIFI Dongle Included for Monitoring
 Maximum PV Array Power 2400W - Maximum PV Array Open Circuit Voltage: 145VDC - Rated Power: 3000VA - Efficiency 93%

- Maximum Solar Charge Current: 40A
- Inverter Output 3KW 48V Battery voltage 2 Years Warranty



SPH 8000TL3-BH-UP

- Hybrid
- Three Phase
- 2MPPT
- Smart Load Management
- UPS Function < 10MS Transition
- 1.5 DC/AC Ratio
- Max Recommended PV Power 12000W
- Inverter Output 8KW
- 10 Pcs Parallel (Grid Tied)
- 5 Years Warranty



SPF 5000TL-HVM-P

- Hybrid
- Low Frequency - Integrated MPPT Charge controller
- WIFI Dongle Included for Monitoring
 Configurable grid or Solar input priority
- Optional WIFI/ GPRS remote monitoring - Maximum PV Array Power 5000W
- Efficiency 93% Inverter Output 5KW
- 48V Battery voltage
- 2 Years Warranty - 6 Pcs in Parallel Connection



SPH 10000TL3-BHUP

- Hybrid
- Three Phase
- 2MPPT
- Smart Load Management
- UPS Function < 10MS Transition
- 1.5 DC/AC Ratio
- Max Recommended PV Power 15000W
- Inverter Output 10KW
- 10 Pcs Parallel (Grid Tied)
- 5 Years Warranty



GROWSHINEWIFI-X

- Wifi Monitoring Device
- 1 Year Warranty



















Liberating Your Energy Sustainability









Model



Pylontech US2000C 2.4kWh Lithium Ion Battery

US3000C

Pylontech US3000C 3.55kWh Lithium Ion Battery



Pylontech UP5000 4.8kWh Lithium Ion Battery

| | 2.4kWh Lithium Ion Battery PYLONBATUS2000C | 3.55kWh Lithium Ion Battery PYLONBATUS3000C | 4.8kWh Lithium Ion Battery PYLONBATUP5000C |
|---|---|---|---|
| Basic Parameters | | | |
| Nominal Voltage | 48Vdc | 48Vdc | 48Vdc |
| Nominal Capacity (KWh) | 2.4 | 3.55 | 4.8 |
| Usable Capacity (KWh) | 2.28 | 3.37 | 4.56 |
| Dimension (mm) | 442x410x89 | 442x410x132 | 442x410x165 |
| Weight (Kg) | 22.5 | 32 | 40 |
| Charge/Discharge Current (A) (Recommended) | 25 | 37 | 50 |
| Charge/Discharge Current (A) (Max Continuous) | 25 | 37 | 50 |
| Charge/Discharge Current (A) (Peak 1) | 50~89@60sec | 74~89@60sec | 89@60sec |
| Charge/Discharge Current (A) (Peak 2) | 90~200@15sec | 90~200@15sec | 200@15sec |
| Communication Port | | RS485, CAN | |
| Single String Quantity (Pcs) | 16 | 16 | 16 |
| Working Temperature (C) (Charge) | | 0~50 | |
| Working Temperature (Discharge (Charge) |) | -10~50 | |
| Shelf Temperature (C) | | -20-60 | |
| Short Current/Duration Time | <4000A/2ms | <4000A/2ms | <4000A/2ms |
| IP Rating | | IP20 | |
| Cooling Type | | Natural | |
| Humidity | 5% | % ~ 95%(RH) No Condensatio | n |
| Altitude (M) | | <4000 | |
| Design Life | 15+ Years (25°C/77°F) | | |
| Cycle Life | >8000 25°C | >8000 25°C | >6000 25°C |
| Certification | UL1642/IEC62619 /ICE63056 /ICE61000-6-2/3 UN38.3 | UL1973/UL1642 UL9540A/VDE2510-50 /IEC63056/IEC62619 /IEC62040/IEC62477-1 | IEC62619/UL1973 /UL9540A/CE /UN38.3 |







/ICE61000-6-2/UN38.3







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During normal operation of the equipment, the average noise level complies with the the standard within the discrepancy range.

The above results are lab test results. Due to many uncertain factors in practice, the actual results may be different from the forecast information. Therefore, the information in this document is for reference only and does not constitute any offer or commitment.

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