









JH-5-12K-TH

Three Phase Hybrid Solar Inverter

5kW / 6kW / 8kW / 10kW / 12kW

-  7-mode switch on back-up port
-  Lighter and one-piece molding
-  Smart energy management

-  Multilanguage display
-  Combinable with on-grid inverter
-  Low noise natural cooling

JH-5-12K-TH Three Phase Hybrid Solar Inverter

| Technical Data | JH-5K-TH | JH-6K-TH | JH-8K-TH | JH-10K-TH | JH-12K-TH |
|--|--|----------|----------|-----------|-----------|
| Input (PV) | | | | | |
| Max. Input Power: | 7.5 kW | 9 kW | 12 kW | 15 kW | 18 kW |
| Max. Input Voltage: | 1100 V | | | | |
| Rated Voltage: | 600 V | | | | |
| Starting Voltage / Min. Operating Voltage: | 200 V / 180 V | | | | |
| MPPT Voltage Range: | 180~1000 V | | | | |
| Number of MPPT / Strings per MPPT: | 2 / 1 | | | | |
| Max. Current per MPPT: | 20 A | | | | |
| Output (AC) | | | | | |
| Rated Output Power: | 5 kW | 6 kW | 8 kW | 10 kW | 12 kW |
| Max. Output Power: | 5.5 kVA | 6.6 kVA | 8.8 kVA | 11 kVA | 13.2 kVA |
| Max. Output Current: | 8 A | 10 A | 13 A | 16 A | 19 A |
| Rated Output Voltage: | 220/380V; 230/400V; 240/415V | | | | |
| Rated Frequency: | 50/60 Hz (± 5 Hz) | | | | |
| Power Factor: | -0.8~+0.8 | | | | |
| THDi: | <3% | | | | |
| Grid System Pattern: | 3L+N+PE | | | | |
| Output (Back-up) | | | | | |
| Peak Output Apparent Power: | 5.5 kVA | 6.6 kVA | 8.8 kVA | 11 kVA | 13.2 kVA |
| Rated Output Power: | 5 kVA | 6 kVA | 8 kVA | 10 kVA | 12 kVA |
| Rated Output Voltage: | 220/380V; 230/400V; 240/415V | | | | |
| Rated Frequency: | 50/60 Hz ($\pm 0.2\%$) | | | | |
| Automatic Switch Time: | <20 ms | | | | |
| THDv: | <3% | | | | |
| Battery | | | | | |
| Battery Type: | Lithium / Lead-acid | | | | |
| Battery Voltage Range: | 150~600 V | | | | |
| Charge/Discharge Current: | 25 A | | | | |
| Max. DC Efficiency: | 98% | | | | |
| European Efficiency: | 97.5% | | | | |
| Battery Charge/Discharge Efficiency: | 98% | | | | |
| Protection: | Insulation impedance, Anti-islanding, PV reverse polarity, RCD detection, Output over voltage, Output over current, Anti-reverse battery | | | | |
| Display: | LCD | | | | |
| Load Monitoring: | Meter / CT / Backup box | | | | |
| Communication: | WiFi / GPRS | | | | |
| Operation Temperature: | -25~60°C | | | | |
| Cooling Method: | Natural Cooling | | | | |
| Ingress Protection Rating: | IP65 | | | | |
| Noise Emission: | <25 dB | | | | |
| Max. Operating Altitude: | 3000 m | | | | |
| Topology: | Transformerless | | | | |
| Standby Power Consumption: | <3 W | | | | |
| Certifications: | CE, G83/G59, VDE0126-1-1, AS4777, AS/NZS3100, CEI 0-21, VDE-AR-N4105 | | | | |
| Warranty: | 5 Years | | | | |
| Dimensions (WxHxD): | 400x440x220 mm | | | | |
| Weight: | 25 kg | | | | |