

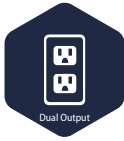
Knox

12000VA



SOLAR INVERTER

- IP54 certified enclosure
- User-friendly HMI LCD design and easy configuration
- Dual output for smart load control
- Two independent AC power sources connected and switched automatically
- Built-in WiFi for mobile monitoring (App is available)
- 150% unbalanced load support
- User-adjustable charging current and voltage
- Reserved communication port for BMS (RS485)
- 5 years warranty
- Parallel operation up to 6 units



Solar Inverter Specifications

| | |
|---|---|
| MODEL | X6-1218-3P2 |
| RATED POWER | 12000 W |
| PV INPUT (DC) | |
| Maximum DC Power | 18000 W |
| Nominal DC Voltage | 720 VDC |
| Maximum DC Voltage | 900 VDC |
| Working DC Voltage Range | 150 VDC ~ 1000 VDC |
| Start-up Voltage / Initial Feeding Voltage | 150 VDC / 150 VDC |
| MPP Voltage Range / Full Load | 150 VDC ~ 850 VDC / 400VDC ~ 850 VDC |
| MPP Voltage Range | |
| Number of MPP Trackers / Maximum Input Current | 2 /A: 27A, B:18A |
| AC INPUT | |
| AC Start-up Voltage | 120-140 VAC per phase |
| Auto Restart Voltage | 180 VAC per phase |
| Acceptable Input Voltage Range | 170 - 290 VAC per phase |
| Nominal Frequency | 50 Hz |
| AC Input Power | 12KVA/12KW |
| Maximum AC Input Current | 40 A |
| Inrush Input Current | 40 A / 1ms |
| BATTERY MODE OUTPUT (AC) | |
| Nominal Output Voltage | 230 VAC (P-N) / 400 VAC (P-P) |
| Output Frequency | 50 Hz / 60 Hz (auto sensing) |
| Output Waveform | Pure sine wave |
| Output Power | 12KVA/12KW |
| Efficiency (DC to AC) | 93% |
| BATTERY & CHARGER (Lead-acid/Li-ion) | |
| DC Voltage Range | 40 – 60 VDC |
| Nominal DC Voltage | 48 VDC |
| Maximum Battery Discharging Current | 300 A |
| Maximum Charging Current | 240 A |
| GENERAL | |
| PHYSICAL | |
| Dimension, D X W X H (mm) | 247 x 500 x 650 |
| Net Weight (kgs) | 54 |
| INTERACE | |
| Communication Port | RS-232/USB/RS485/CAN/WI-FI |
| Intelligent Slot | Optional SNMP, Modbus cards available |
| ENVIRONMENT | |
| Protective Class | I |
| Ingress Protection Rating | IP54 |
| Humidity | 0 ~ 100% RH (No condensing) |
| Operating Temperature | -25 to 50°C (Power derating above 45°C) |
| Altitude | Max. 1000m* |