

7000VA

Knex



SOLAR INVERTER

- IP54 waterproof and dustproof
- Dual outputs for smart load management
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units



Solar Inverter Specifications

MODEL	X6-900-S2
RATED OUTPUT POWER	6000W
PV INPUT (DC)	
Max. PV Power	7000W
Max. PV Array Open Circuit Voltage	500 VDC
MPPT Range @ Operating Voltage	120 ~400 VDC
Max. PV Array Short Circuit Current	21A/21A
Number of MPP Tracker	2
GRID INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing) < 10ms (for UPS)
Transfer Time	< 20ms (for home appliances) < 50ms (for parallel system operation)
Rating of AC Transfer Relay	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Charging Current (from Grid)	120A
Maximum Charging Current (from PV)	120A
Maximum Charging Current	120A
GENERAL	
Dimension, D X W X H (mm)	192 x 360 x 665
Net Weight (kgs)	27
INTERFACE	
Parallel-able	Yes
External Safety Box (Optional)	Yes
Communication	USB or RS232 / RS 485
ENVIRONMENT	
Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	-25°C to 50°C