



# SOLAR INVERTER

PV-7000

## SL-ELITE 6KW

- Dual output for smart load management
- Maximum PV input current 27A
- Two independent AC power sources connected and switched automatically
- Built-in WiFi for mobile monitoring (App is available)
- Wide PV input voltage range 60VDC~450VDC
- Built-in communication port for BMS
- Built-in 120A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Battery independent design



MODEL	SL-ELITE 6KW
RATED POWER	6000VA/6000W
<strong>INPUT</strong>	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
<strong>OUTPUT</strong>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	12000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
<strong>BATTERY</strong>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<strong>SOLAR CHARGER &amp; AC CHARGER</strong>	
Solar Charger type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	6000W
Maximum PV Input Current	27A
MPP Range @ Operating Voltage	60-450 VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
<strong>PHYSICAL</strong>	
Dimension, D x W x H (mm)	107 x 322.6 x 420.3
Net Weight (kgs)	10.5
Communication Interface	RS232/RS485/Optional WiFi
<strong>OPERATING ENVIRONMENT</strong>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C