

# HYBRID Solar Inverter



SOLUTION



FAN



PERSONAL WEBSITE

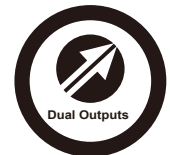


## Elite 4kw / Elite 6kw

**Elite series** is occupied with two outputs. The second output can be scheduled on/off, setting cut-off voltage or SOC and discharging time via LCD setting. It facilitates users smart load control. Designed with 27A PV input current, Elite series is compatible with the market trend of increased  $I_{mp}$  in solar panels. It also allows a wide PV input voltage range from 60VDC to 450VDC. These features allow fewer solar panels required in the system and save space.

### Features

- Dual outputs for smart load management
- Maximum PV input current 27A
- Wide PV input voltage range 60VDC ~ 450VDC
- Detachable LCD control module with various communications
- Built-in WiFi for mobile monitoring (App is available)
- Supports USB On-the-Go function
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS
- Battery equalization extends lifecycle
- Battery independency
- User-friendly LCD operation
- Replaceable fan design



Dual Outputs



## Elite 4kw / Elite 6kw

### Inverter Specification

MODEL	Elite 4kw	Elite 6kw
<b>RATED POWER</b>	4000VA/4000W	6000VA/6000W
<b>INPUT</b>		
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)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC ± 10%	
Surge Power	8000VA	12000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Power	5000W	6000W
MPP Range @ Operating Voltage	60 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A	
Maximum Solar Charge Current	120A	
Maximum AC Charge Current	100A	
Maximum Charge Current	120A	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	115 x 300 x 435	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	