

Hybrid Solar Inverter

Low Frequency MPPT



Dynamic Power



Dual CPU
intelligent control



Integrated MPPT
charger controller



Configurable
grid or solar
input priority



Built-in pure copper
low frequency
transformer

Low Frequency (1500W-6000W)

MODEL	SunL Series					
Rated Power	1500W	2000W	3000W	4000W	5000W	6000W
INPUT						
Voltage Range	85-138VAC/170-275VAC					
Frequency Range	45-65Hz					
OUTPUT						
Voltage Range	110VAC/220VAC±5% (Inverter Mode)					
Frequency	50/60Hz±1% (Inverter Mode)					
Output Wave	Pure Sine Wave					
Efficiency	> 85% (80% resistive load)					
Transfer Time	< 10ms (typical load)					
Overload Capacity	30s@110%-120% Load, 300ms@160% Load					
Protection	Battery over-voltage and low-voltage protection, overload protection, short circuit protection, over-temperature protection.					
BATTERY & AC CHARGE						
Battery Voltage	12/24/48VDC	24/48VDC	48VDC	48VDC	48VDC	48VDC
Floating Charge Voltage	12V/14.2VDC; 24V/28.4VDC; 48V/56.8VDC					
Overcharge Protection	12V/16VDC; 24V/32VDC; 48V/64VDC					
Maximum Charge Current	30A					
PV CHARGE						
PV Array Power	12VDC-60A (800W); 24VDC-60A (1600W); 48VDC-60A (3200W)					
MPPT Range Operating Voltage	12VDC@15V-150VDC; 24VDC@30-150VDC; 48VDC@60V-150VDC					
Maximum Charge Current	60A					
MPPT Efficiency	≥ 99%					
OPERATING ENVIRONMENT						
Humidity	5% to 95% Relative Humidity (non-condensing)					
Operating Temperature	0°C ~ 55°C					
Storage Temperature	-15°C ~ 60°C					
GENERAL DATA						
Dimensions (D*W*H, mm)	520*420*222					
Net Weight (Kg)	23-45					
Communication Interface	RS485/GPRS/WIFI					