

## SP Regal Ultra Series



### Features

- Zero(0ms) transfer time
- Dual outputs for load management
- Selectable high power charging current up to 150A
- Configurable AC/Solar input priority via LCD setting
- Built-in Wi-Fi & BMS function
- Optional parallel operation up to 9pcs for SP6000 Regal Ultra; 12pcs for SP10000 Regal Ultra
- HMI LCD Display for SP10000 Regal Ultra
- IP52 design for SP10000 Regal Ultra; Anti-Dust & Anti-Moisture coating for longlasting reliability



### Specifications

MODEL	SP6000 Regal Ultra	SP10000 Regal Ultra
<b>Rated Power</b>	6200VA/6200W	10000VA/10000W
<b>INPUT</b>		
<b>Voltage</b>	230 VAC	
<b>Selectable Voltage Range</b>	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)	
<b>Power Factor</b>	≥ 0.98 @ Nominal Voltage (100% Load)	
<b>THDI</b>	≤ 10%	
<b>OUTPUT</b>		
<b>AC Voltage Regulation (Batt. Mode)</b>	230VAC ± 5%	
<b>AC Frequency Range (Batt. Mode)</b>	50Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
<b>Surge Power</b>	12400VA	20000VA
<b>Peak Efficiency (Batt. Mode)</b>	92%	93%
<b>Transfer Time</b>	0 ms (AC mode to battery mode) 4 ms (Inverter mode to bypass mode)	
<b>Harmonic Distortion</b>	≤ 3% THD (Linear Load); ≤ 5% THD (Non-linear Load)	
<b>Waveform</b>	Pure sine wave	
<b>BATTERY</b>		
<b>Battery Voltage</b>	48 VDC	
<b>Floating Charge Voltage</b>	54 VDC	
<b>Overcharge Protection</b>	66 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
<b>Maximum PV Power</b>	6000W	15000W
<b>Maximum PV input current</b>	27A	40A
<b>Maximum PV open circuit current</b>	40A	60A
<b>PV Array MPPT Voltage Range</b>	120~430Vdc	120~450Vdc
<b>Maximum PV Array Open Circuit Voltage</b>	500Vdc	
<b>Maximum Solar Charging Current</b>	120A	150A
<b>Maximum AC Charging Current</b>	120A	150A
<b>Maximum Charging Current</b>	120A	150A
<b>PHYSICAL</b>		
<b>Dimension (D × W × H)</b>	140 × 295 × 468mm	120 × 420 × 582mm
<b>Net Weight</b>	12kgs	18kg
<b>OPERATING ENVIRONMENT</b>		
<b>Humidity</b>	5% to 95% Relative Humidity (Non-condensing)	
<b>Operating Temperature</b>	-10°C ~ 55°C	
<b>Storage Temperature</b>	-15°C ~ 60°C	

Specifications are subject to change without notice.

