

# ER-12V1000SCI

<b>Model</b>	ER-12V1000SCI
Rated Power	1000W
<b>Input</b>	
Voltage	230 VAC
Selectable Voltage	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)	230 VAC $\pm$ 5%
Surge power	2000VA
Efficiency (peak)	90% - 93%
Transfer time	10 ms (For personal computers) ; 20 ms (For home appliances)
Waveform	Pure sine wave
<b>Battery</b>	
Battery voltage	12 VDC
Floating Charge voltage	13.5 VDC
Overcharge protection	16 VDC
<b>Solar Charger &amp; AC Charger</b>	
Solar charger type	MPPT
Maximum PV array open circuit voltage	102 VDC
Maximum PV array power	500W
MPP Range @ operating voltage	17-80 VDC
Maximum solar charge current	40 A
Maximum AC Charge current	20 A
Maximum charge current	60 A
<b>Physical</b>	
Dimension, D x W x H (mm)	88 x 225 x 320
Net weight (9kgs)	4.4
Communication interface	USB/RS232
<b>Environment</b>	
Humidity	5% to 95% Relative humidity (Non-condensing)
Operating temperature	-10°C to 50°C
Storage temperature	-15°C to 60°C

- Pure sine wave solar inverter
- Wide DC input range
- Configurable AC/Solar input priority via LCD settings
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance

