

Hybrid Solar Power Inverter with built in battery charger



Features:

- 64-bits DSP Intelligent control chipset.
- LED and LCD display with of dynamic values.
- Built-in automatic AC charger and automatic AC mains switcher. Switch time ≤ 8 ms.
- High Transfer efficiency is above 87%.
- Continuous stable pure sine wave output with built-in AVR stabilizer.
- 3 times surge power, excellent loading capability.

Specifications

Model		PL-1KA	PL-1.2KA
Capacity	Rated power	1 KW	1.2 KW
	Peak power	3 KW	3.6 KW
Input	Standard battery voltage	12 VDC / 24 VDC	
	AC input voltage range	145-275 VAC	
	AC input frequency	50Hz: 45-65Hz 60Hz: 55-65Hz	
Output	Conversion efficiency	$\geq 87\%$	
	Output voltage	220 VAC $\pm 2\%$ (battery mode) $\pm 5\%$ (The utility mode)	
	Output frequency	50/60 Hz ± 0.3 Hz (battery mode) Automatic tracking(The utility mode)	
	Output waveform	Pure sine wave	
Other	Protect	With over-voltage, overload, low-voltage, high temperature and short-circuit protection	
	Display	LCD and LED display	
	Cooling way	Intelligent speed control air cooling	
	Communication	RS-232 / USB / SNMP (optional)	
AC charging	AC charging voltage	13.6-14.2VDC(12V) / 27.2-28.4VDC(24V) / 54.4-56.8VDC(48V)	
	AC charge current	15A stable	
Working mode (optional)	01	AC priority mode	
	02	Energy saving mode	
	03	Battery priority mode	
Work environment	Temperature	$-10 \sim 50$ °c	
	Humidity	$< 95\%$ (No dew)	
Physical	L×W×H (mm)	280 × 275 × 120	
	Net weight (kg)	7.5	8.1
Packing	Dimension, L×W×H (mm)	345 × 315 × 187	
	Gross weight (kg)	8	8.6