

## PD Series Pure Wave Inverter/Charger



- ✦ Low frequency
- ✦ AVR function
- ✦ UPS function
- ✦ Toroidal transformer
- ✦ LCD display
- ✦ Charging current max 15A
- ✦ DC first/AC first self optional
- ✦ RS232 port optional



### Specifications

<b>Model</b>	PD50112	
<b>Rated capacity</b>	1000W	
<b>Power factor</b>	1	
<b>Nominal battery voltage</b>	24V	
<b>Input</b>	DC input voltage range	10.5-15VDC for 12V mode,21-30VDC for 24V mode,42-60VDC for 48V mode
	Mains input voltage range	170VAC-275VAC
	Mains input frequency range	45-65HZ
<b>Protection</b>	Battery low voltage alarm	10.5VDC for 12V mode,21VDC for 24V mode,42VDC for 48V mode
	Battery low voltage protection	10VDC for 12V mode,20VDC for 24V mode,40VDC for 48V mode
	Battery over voltage protection	17V±0.5V for 12V mode,34V±0.5V for 24V mode,68V±0.5V for 48V mode
	Battery over voltage alarm	15-16VDC for 12V mode,30-32VDC for 24V mode,60-64VDC for 48V mode
	Over power protection	110% more than rated capacity
	Temperature protection	≥85°C alarm, ≥90°C machine shut off
<b>Output</b>	Efficiency	≥85%
	Output voltage(battery mode)	AC single phase 220V
	Output frequency(battery mode)	60Hz±1%
	Output wave form	Pure sine wave
	Output voltage range(mains mode)	Stabilization output 110V/120V/220V/230V/240VAC±10%
	Output frequency range(mains mode)	Tracking automatically
<b>Others</b>	Transfer time	≤4ms
	Display	LCD
	Thermal method	Cooling fan in intelligent control
		≤42°C fan rotates slowly, ≥45°C fan rotates fast
<b>Charging</b>	Charging voltage	13.6-14.2V for 12V mode,27.2-28.4V for 24V mode,54.4-56.8V for 48V mode
	Charging current	max 15A

<b>Working mode (Optional)</b>	01	<b>Normal mode</b> AC first with AC charging
	02	<b>Energy saving mode</b> Load power ≤10% machine turns off, ≥11%-100% machine turns on
	03	<b>DC first</b> DC first without AC charging
<b>Communication</b>	RS232(optional)	
<b>Environment</b>	Temperature	-10°C +40°C
	Humidity	<95%
<b>Appearance</b>	Size(mm)	300*240*120
	Packing Size(mm)	370*320*200
	N.W(kg)	8
	G.W(kg)	9

