

Portable Solar Generator 400wh



This is the perfect small portable Solar Powered Generator. It can supply a constant **300w 230V AC Output (600w Peak)** thanks to the built in Inverter it uses internally. It has a compact **400w/h (400 watt hour) Long Life Lithium Battery** with BMS Internally. It can charge from Solar Power (via a solar panel plugged in) or it can charge from a standard 230V AC Wall Socket.

It can take up to a maximum of 145w worth of Solar PV input, at a maximum of 40v DC input. It can accept 14-40v for the Solar PV DC Input and the recommended Solar Panel setup to be used with this unit would be 1 x 130w or 1 x 145w panel. The 1 x 145w panel will give the fastest charge for this unit. During the summer it would take 4-6 hours on a nice sunny summer's day approximately to fully charge this unit back to full battery level, and during winter time it will take approximately 8 hours in the sunshine to full charge up this unit if you were using 1 x 145w panel.

It has a 3 Pin 230V AC Plug Socket + a 12v DC Output Socket.

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This product has great ecological & environmental benefits, as it will help reduce the number of disposable batteries that are discarded into land fill so frequently and is much more efficient than having a diesel / petrol generator running just to power some lights or charge your phone / laptop, etc.

PSG-400 Detailed Specs:

- Sign wave inverter, factory set for Australian / NZ 230VAC Output.
- DSP chip control management with modular design.
- LCD display for indicating battery status and charging status at a glance.
- Multi-functional, integrated function of AC/DC charging and discharging.
- MPPT solar charger, inverter output and DC 12V output all integrated within PSG unit.
- High Quality Lithium 18650 battery for reliable long battery life with thousands of cycles without needing battery maintenance.
- Many built-in safety protection functions: low voltage, over voltage, high temperature, short circuit, and over load protection.



		Specifications	
		PSG-400	
Physical Specs	Output Power	400 Wh	
	Weight	6.0Kg	
	Capacity	400 Wh	
	Color	Black & Grey	
	Dimension	230*140*235	
	Input voltage	100~240VAC	
Charge Parameters	Input frequency	50/60HZ	
	Input power	145W	
	Solar Charge Current	145W/3A	
	Solar board voltage	DC14-40V	
	AC charging time	4h	
Discharge Parameters	Output voltage	230-240±3%VAC	
	Output frequency	50/60HZ±0.5	
	Output power	300W	
	Overload capacity	130% 10S	
	Discharge time	5.5h (250W)	
	Output waveform	Sign Wave Output	
	Transfer efficiency	≥90%	
	MPPT efficiency	≥98%	
	On-board DC output	DC12V/8A (96W)	
	USB Output	2 x 2A + 2x1A USB Ports	
Safety Features	Short circuit protection	YES	
	Low voltage protection	YES	
	High voltage protection	YES	
	Over-temperature protection	≥50 degrees Celsius	
	Low voltage cut-off	Solves the problem of self-discharging for long storage.	
	Battery Repair Function	When the voltage of the battery pack is too low, it is charged with low current.	
Cell Voltage Balance Function	YES		
Working Environment	Working temperature range	0-45℃	
	Working humidity range	10%-90%	

