

# ENERGY 1000

Energy Storage System



## All in One

Charger, Inverter, Battery  
Plug and Play

## Portable

Compact Size Design,  
Easy to Transport

## High Efficiency

No Fan, Quiet Operating

## PV Charging



## Features

- Dual input - AC & PV
- High power charger (600W) and Inverter (1.5kW)
- High conversion efficiency (>90%)
- Quiet operating (no fan)
- Selectable on-line UPS or stand-by UPS mode
- In-house battery management techniques (patent pending) including active battery block balancing
- Master system control switch (for prolong storage) and output control switch
- LED capacity indicator
- Stable & reliable name-brand battery cells from fully automatic production lines

## Running Time for Select Loads

Electrical Equipment		Power Consumption	Running Time
Lighting	Camping Lantern	5W	162.0 hours
	LED Lighting	10W	81.0 hours
	LED Searchlight	30W	27.0 hours
	Fluorescent Lamp	36W	22.5 hours
Home Appliance	Radio	10W	81.0 hours
	Electric Fan	66W	12.3 hours
	Refrigerator	130W	6.2 hours
	42" LCD TV	200W	4.1 hours
	Sound System	200W	4.1 hours
	Toaster	600W	1.4 hours
	Electric Pot	800W	1.0 hours
	Heater	1,000W	0.8 hours
	Induction Cooker	1,200W	0.7 hours
3C Device	Smart Phone	2W	405.0 times
	Tablet	20W	40.5 times
	Notebook Computer	40W	20.3 hours
	Projector	200W	4.1 hours
	Desktop PC & Monitor	310W	2.6 hours
	Laser Printer	500W	1.6 hours

## Specification

Model		PP0915ADN	PP0915EZN
Rated Energies		900Wh	
Battery		Lithium Ion	
Inputs	AC	100-120V, 50-60Hz	220-240V, 50-60Hz
	PV	50-110Vdc <sup>1</sup>	65-110Vdc <sup>1</sup>
Outputs	AC	100V or 120V, 50Hz or 60Hz, 1.5kW	220V or 230V, 50Hz or 60Hz, 1.5kW
	DC	5V@2.5A (USB)	
Transfer Time		16 mS typical	
Operating Temperatures		0-40°C <sup>2</sup>	
Protections	Battery	Over-charge, Over-discharge, Over-temperature, Under-temperature, Over-current, Short-circuit	
	Charger/ Inverter/DC	OVP, OCP, SCP, OTP	
UPS Operating Mode		Standby or On-Line <sup>3</sup> , Selectable	
Dimensions (LxDxH)		425 x 235 x 370 mm	
Weight		17 kg	
Safety <sup>4</sup>		UL1973	EN62040/CE

1. Will charge the battery as long as PV voltage is higher than battery voltage, but may be at slower rate.
2. Consult factory for operations beyond normal operating temperatures.
3. Continuous power from 400VA to 550VA, transient power up to 1.5kVA depending on battery status.
4. Designed to comply.

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