

# EnerSalvys

## Energy Storage Systems ESS6000LV



This is a multi-functional inverter/charger, combining the functions of inverter, PWM/MPPT solar charger and battery charger to offer uninterruptible power support with portability. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, priority setting for AC/solar charger, and acceptable input voltage setting to suit different applications.



HOME/SMALL  
OFFICES



COMMERCIAL



RESIDENTIAL



SMALL  
CORPORATION

### Highlights:

- Pure sine wave inverter.
- Selectable output voltage 120/208/240vac
- Build in 2 strings of MPPT solar charger
- Selectable input voltage range for home or office appliances or personal computers.
- Configurable AC / Solar input priority.
- Compatible with main voltage or generator.
- Auto restart when AC is recovering.
- Overload and short circuit protection.
- Smart battery charger design.
- Cold start function.
- Upto 3 units in parallel for 1Ph/2Ph/3Ph

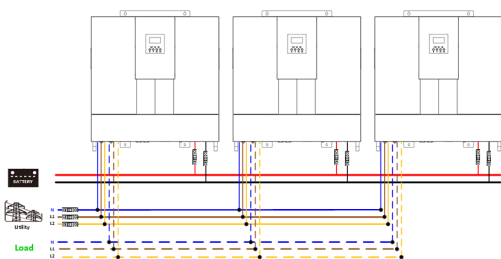
# EnerSalvys ESS6000LV Series Specifications

MODEL		AB-ESS6000LV
Capacity	Rated Power	6000 VA / 6000 W
	Parallel capability	Yes, 3 Units
Input	Voltage	110/120VAC ( L-N ó L1-N-L2 )
	Selectable Voltage Range	95~140 VAC (For personal computers 65~140 VAC (For home appliance)
	Frequency Range	50 Hz - 60 Hz (Auto sensing)
Output	AC Voltage Regulation (Batt. mode)	110/120 VAC (L-N or L1-N-L2) ± 5% (User selectable)
	Efficiency Peak	92%
	Transfer Time	10 ms (For personal computers) ; 20 ms (For home appliances)
	Waveform	Pure Sine Wave
Battery	Battery Voltage	48 VDC
	Floating Charge Voltage	54 VDC
	Overcharge Protection	60 VDC
Solar & AC Charger	Solar Charger Type	MPPT
	Number of MPPT trackers	2
	Maximum PV Array Power	4000 w X 2
	Operating Voltage Range	60 VDC ~ 115 VDC (MPPT Range)
	Max. PV Array Open Circuit Voltage	145 VDC
	Max. Solar Charge Current	80 A x 2
	Max. AC Charge Current	60A
	Maximum Charge Current	220 A
	Maximum Efficiency	AC 92% - Solar 96%
Standby Power Consumption	<100 w	
Physical	Dimensions(D x W x H in mm)	130 x 622.6 x 6100
	Net Weight (kgs)	30 Kgs.
Environmental	Humidity	5% ~ 95% Relative Humidity (Non-condensing)
	Operating Temperature	-10° C ~ 50° C
	Storage Temperature	-15° C ~ 60° C
	Noise Level	46 dB
Interface	Standard	USB, SR232, Current sharing ports
	Dry Contact Connector	Yes
	Parallel Communication ports	Yes
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.
Certification	Safety	CE

\* Specifications subject to change without notice.



Parallel upto 3 inverter 1Ph / 2 Ph



Parallel 3 inverter for 3 Ph 120/208

