EnerSalvys
Energy Storage Systems

EnerSalviS is an Energy Storage System (ESS) that charges using electricity generated from solar panels, or when utility rates are low, and powers your loads in the evening. It also fortifies your home and office loads against power outages by providing a backup electricity supply. Compact and easy to install, EnerSalviS offers independence from the utility grid and the security of an emergency backup.

HOME/SMALL OFFICES

COMMERCIAL

RESIDENTIAL

SMALL CORPORATION

BATTERY CABINET

EnerSalvys Series Specifications

MODEL		AB-ESS2000
Capacity	VA	2000 VA
	W	1600 W
PV	Rated Voltage	40~120Vdc
	MPPT Range	60~120Vdc
	Max. Input Current	35A
	Max. PV Array Open Circuit Voltage	150Vdc
	PV Array Polarity Error Protection	Yes
	Connection	O type terminal block
Battery	Number of batteries	4
	Rated Battery Voltage	48 VDC
	Charge Current (Max.)	10.8 A
	Floating Mode Charging Voltage	54.6Vdc±1%
	DC leakage current	≦ 30 μA with no AC applied and the unit in the off position
	Connection	O type terminal block
AC Input	Voltage Rating	55/75/90-150 VAC (Based on load percentage 0-25% / 0-75% / 0-100%)
	Frequency Rating	45-65 Hz
	Phase	Single phase with ground
	Power Factor	≧ 0.99 (with full linear load)
	Generator Input	Supported
	Connection	O type terminal block
AC Output	Voltage Regulation	110V, adjustable to 100/110/115/120/127 within ±1% until low-battery warning
	Frequency (Synchronized Range)	3 Hz or 1 Hz (selectable)
	Frequency (PV Mode)	50/60 Hz ±0.2% unless synchronized to line
	Current Crest Ratio	3:1
	Harmonic Distortion	< 3% at full linear load
	Output Waveform	Pure sine wave
	Connection	O type terminal block
AC Output	ECO mode	97%
Front Panel	LED (Standard) LCD (Optional)	Normal, Battery, Bypass, Self-Test, Battery Weak & Bad, Site Wiring Fault , Fault, Overload, and Load/Battery Level
	Button	ON(Silence) / OFF / Enter / Function / UP / Down
Physical	Dimensions(D x W x H in mm)	480 x 445x 185
	Weight	11kg
Environmental	Orating Temperature	0~40℃
	Noise Level	≦ 50dB
	Relative Humidity	0-90% (without condensation)
Interface	Standard	USB
	Compatible Platforms	Microsoft Windows series, Linux, Mac, etc.
Standards and Certifications	Safety	UL1778 V4 (cTUVus)
	EMC	FCC Part 15 Class A
	Markings	FCC , cTUVus

*Specifications subject to change without notice.