BYD Emergency Power System

EPS-1500

Based on BYD high efficient Fe battery technology and perfect IT resource integration.BYD provide the best renewable energy solution for unreliable utility grid area.—BYD EPS-1500

BYD Emergency Power System-1500 is specially designed for emergency energy application by using both solar and grid input, with all components in one portable carrying case, 1500W output power and 2400Wh Battery Energy could fulfilling all the basic energy demand for Home, Business, and Government agency.

System parameters

	EPS-1500
Battery type	Iron battery
Battery capacity	2400Wh
Output power	1500VA
AC input	Phase： Single phase 3 wire（fire wire, zero wire and ground wire）
	Voltage：100/110/115/120V ± 15%; 200/220/230/240V± 15%
	Frequency：50/60 Hz
	Charge time：5 hours
AC charger	Output voltage：56V DC
	Output current：10A DC
PV input	Max voltage：85V DC
	Max current：50A DC
AC output	Phase： Single phase 3 wire（fire wire, zero wire and ground wire）
	Voltage：100/110/115/120V ± 3%; 200/220/230/240V± 3%
	Frequency：50/60 Hz
Display	LCD
Noise	<40db
Dimension	Width 300*height 548*depth 630 mm
Weight	68Kg
IP level	IP20
Working temperature	0℃~40℃
Storage temperature	-10℃~45℃
Time of warranty	Three years for total system(in normal pressure& temperature)

Network Power System, Division 2, BYD **Ver 05, 01/2013**

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Features:

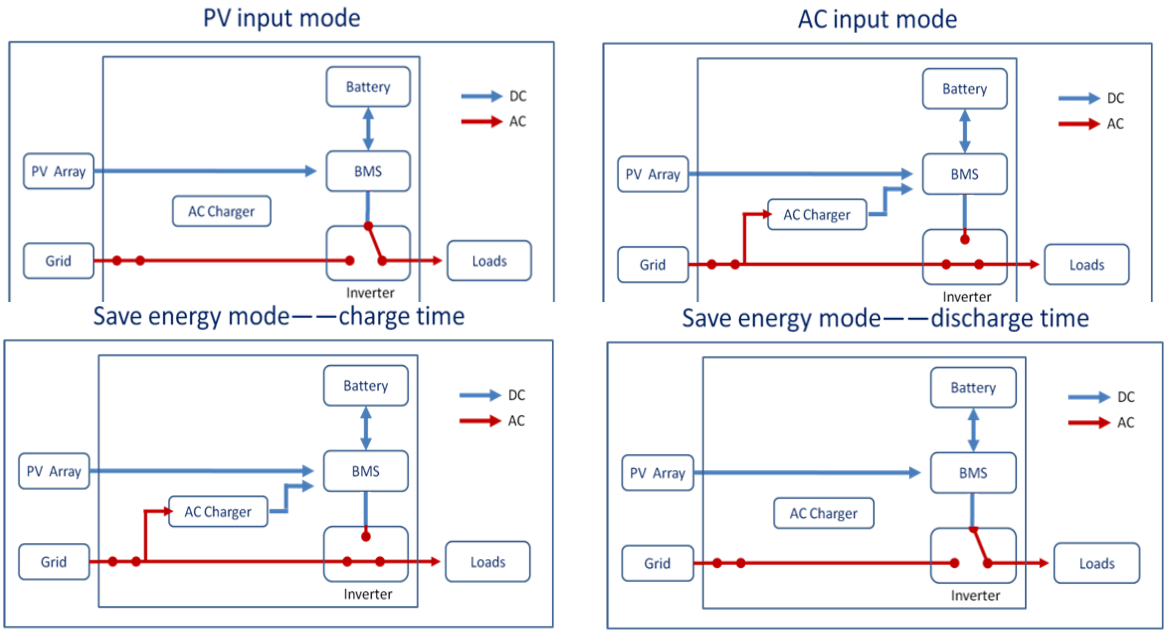
- Extremely short charge time-- Less than 5 hours
- RS232 port is available to monitor the system information by users
- System battery are expandable by using system in parallel
- Buzzer beeps when battery SOC is low: At 10% and 5% low battery situation
- Adjustable two operating modes are flexibly set by users:

  AC input Mode: The system will work in the bypass mode as long as grid is available. If there is an interruption to grid , battery will substitute the grid and enable a support supply to the loads.

  PV input Mode: Under the solar priority mode, the priority of input source chosen is PV panel >Battery>Grid, as long as there is solar energy, the loads will be powered by PV and surplus solar energy will be charged in battery.

  Save Energy Mode: Set the time to manage the charge and discharge of the battery by user.

System Topology Diagram



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