

Distributed Energy Storage System (DESS)

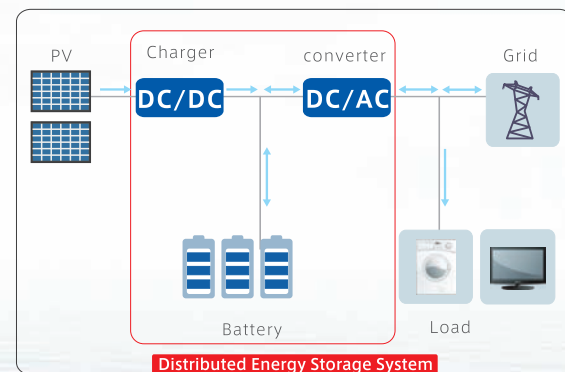


**DESS-B08P09C04C-E
and B08P09C08C-E**



About BYD DESS

BYD DESS is a new energy power solution which can be used grid interactive and stand alone. An integrated ultra-fast AC transfer switch guarantees that even sensitive back-up loads, like computers, never know when a utility outage occurs. The bi-directional inverter can provide high quality true sine waveform power for the load. And the working mode of the DESS can be selected and adjusted to meet different requirements.



Production Information



Applications

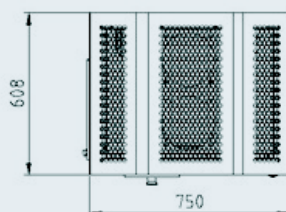
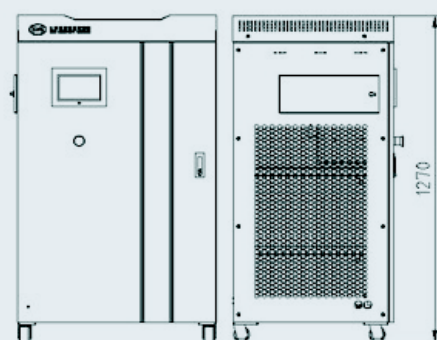
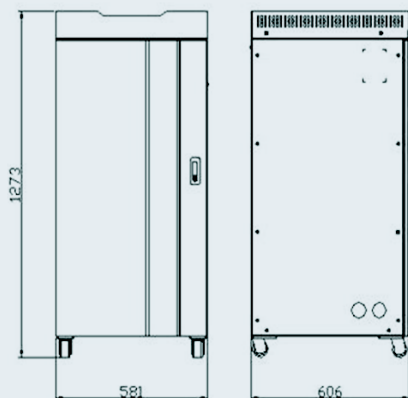
Communication base station;
Residential application;
Small commercial or industrial area;
Areas with electricity price difference between peak period and off peak period, abundant sunshine, unreliable grid or government incentives, etc.

Characteristics

On grid and off grid application available;
Excellent power management function, providing unattended power supply solution;
Easy installation and maintenance;
Functioning as UPS to guarantee uninterrupted power supply to the users;
High security, stability and reliability

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DESS-B08P09C04C-E and B08P09C08C-E



Technical Data

Product Name	DESS-B08P09C04C-E	DESS-B08P09C04C-E
Continuous Power Rating	9KW	
AC SPECIFICATIONS		
Nominal AC Voltage(output/input)	400Vac	
Nominal Frequency	50Hz	
Total Harmonic Distortion	Grid-tied	<4%
	Off-grid	<2%
AC Transfer Switch Speed	<20ms	
Max. Inverter Efficiency	93%	
Reference Standards	VDE-AR-N 4105	
Output Waveform	True Sine Wave	
DC SPECIFICATIONS		
Recommended Solar Array Input	4000W	4000W×2
Open Circuit Voltage of PV	145VDC (absolute Lowest temperature)	
MPPT Voltage	70~120VDC	
Max. Output Current of Solar Charger	80A	
Max. Solar Charger Efficiency	97.3%	
Battery Voltage	Nominal	52V
	Operating Range	48~57VDC
SYSTEM SPECIFICATIONS		
Battery Type	LiFePO4	
Storage Capacity	≥8KWh	
Exterior Communications	Rs485/Ethernet	
Operating Temperature	0° C~45°C	
Operating Humidity Range	10%~90%	
Altitude	<2000m	
Enclosure Rating	Indoor	
product warranty	5 years(one cycle per day, at least 80% capacity remain)	

Package Information

Type	Packing Container size(mm)	Cabinet Weight (Net Weight)	Total Weigh	Cabinet size	20' container/pcs	40' container/pcs
9kw/8KWh DC Side						
PCS Cabinet	1500*900*750	155KG	230KG	1270*750*608	18	48
Battery Cabinet	1500*750*750	175KG	250KG	1273*606*581	27	63
9kw/8KWh AC Side						
PCS Cabinet	1500*900*750	155KG	230KG	1270*750*608	18	48
Battery Cabinet	1500*750*750	175KG	250KG	1273*606*581	27	63

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