

Distributed Energy Storage System (DESS)

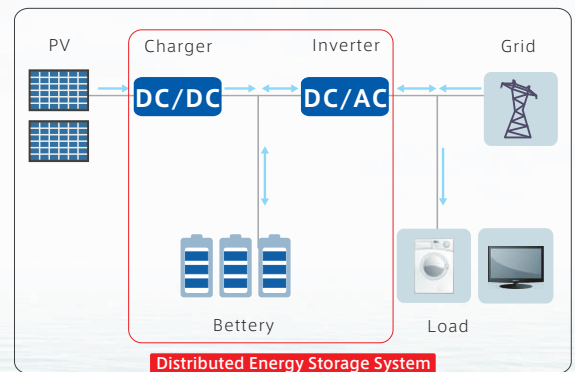


**DESS-B08P09C04C-E
and B08P09C08C-E**



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

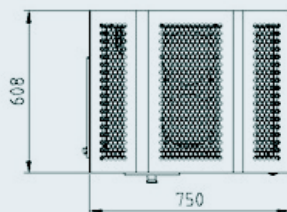
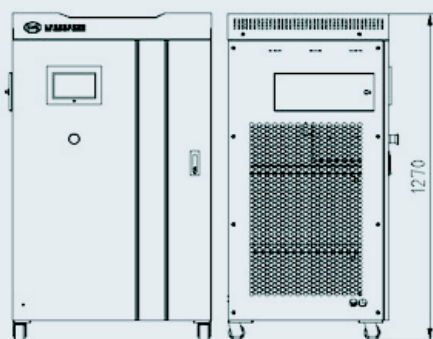
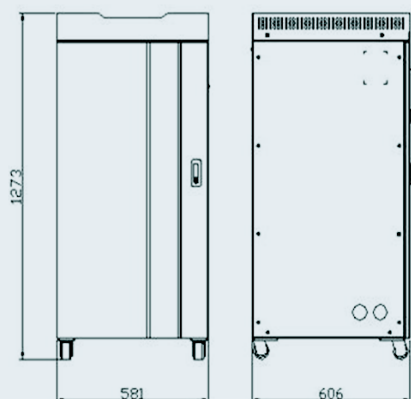
Communication base station;
Residential application;
Small commercial or industrial area;
Areas with electricity price difference between peak period and off peak period, abundant sunshine, unreliable grid or government incentives, etc.

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

Distributed Energy Storage System (DESS)

**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 | Grid-tied | <4% |
| Distortion | 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 | |
| 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 |
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