

Intelligent PV + Battery Energy Storage System

Zdb-5.76kwh/11.52kwh/17.28kwh



Product Overview

This system is designed for the information communication equipment power supply protection of long-distance transportation valve chambers for natural gas, oil, and other materials. It consists of PV storage system cabinets, photovoltaic components, photovoltaic columns, and supports.



40 feet, 6.7MWh maximum, ultra-high functional density



Feature a high stability MPPT, lithium battery charger



Intelligent BMS independently developed



Intelligent cloud monitoring for autonomous operation



Low temperature coefficient high power components



Dual power automatic switching



Model	Zdb-5.76kwh	Zdb-11.52kwh	Zdb-17.28kwh
Battery unit	3P8S /5.76kWh/55kg/LiFePO4/Aerosol fire protection		
Battery module	1individual	2individual	3individual
Nominal Capacity	5.76 kWh	11.52 kWh	17.28 kWh
Rated Voltage	25.6 Vdc		
Operating voltage range	22.4 Vdc - 28.4 vdc		
BMS Protection	Short circuit, overcurrent, overvoltage and undervoltage, extreme high and low temperature, etc		
system			
MPPT to Battery Charging Current	60 A max		
Charger to Battery Charging Current	50 A max		
External load interface	24Vdc (22.4Vdc~28.4Vdc); maximum maximum power output for the electricity grid is 350W and maximum PV input storage is 1440W.		
PV maximum input voltage	49.6 Vdc		
Photovoltaic module	Monocrystalline silicon; 540 W * 3 sheets;parallel connection		
Input voltage from power grid	110V / 220 Vac		
External communication	CAN / RS485/4G		
Photovoltaic column (HXT)	2000mm X 80mm ; Rectangular tube welded, spray coating		
Photovoltaic Stand (WXD)	2000mm X 80mm ; Rectangular tube welded, spray coating		
System Cabinet (WXDXH)	600mm X 800mm X 1600mm ; sheet-metal spray		
Operating Temperature	-10°C-55°C		
Operation Humidity	5~90%6RH		
Protection Grade	IP65		
Cooling method	Battery, MPPT natural heat dissipation; intelligent air-cooling for charger		