The battery of the future

Power Station-10kWh
Residential Energy Storage Battery

Utilizing clean energy efficiently to keep the earth infinitely green

Introduction

For off-grid energy storage

KEY FEATURES

• LiFePO4 composition – provides exceptional safety and longevity.

• High energy density – The capacity of single cabinet up to 10kWh.

• Integrated advanced BMS with multiple protection function. • Easy installation, wall mounted or floor mounted.

• 5 years warranty / 15 years service life.

• Consistent performance over wide temperature range.

• Cycle efficiency up to 98%.

• Matching multiple Inverters – Deye, Goodwe, Growatt, Solis, Sofar, Victron, Voltronic, Darfon and etc.

• 15 years calendar life, 6000 times cycle time.

• Support 100% DOD.

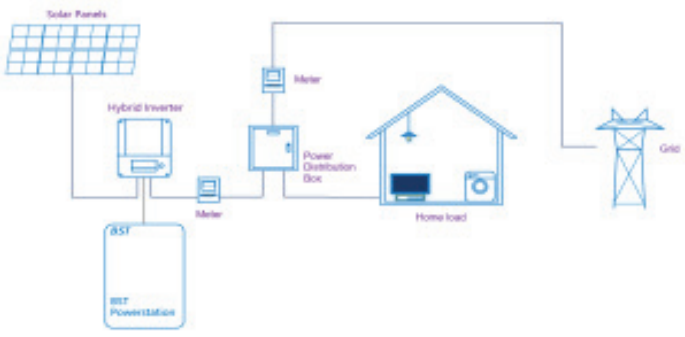
• Scalability – supported four batteries connection in parallel, up to 40kWh.

OPERATION MODE

• Under the condition of good illumination in the daytime, the DC power from PV panel is changed into AC through inverter to supply power for residential load. If the residential load cannot run out of the PV power, the remaining power will be stored in the battery.

• In the night or rainy days, photovoltaic cannot generate electricity. The battery supplies power to the home load through an inverter. If the battery is low, the residential load will take power from the grid.

• When the power grid fails, the energy storage system can be used as a backup power to supply power for critical loads.



DATASHEET

PARAMETERS	Powerstation-10kWh
Electrical	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	200
Nominal Energy (kWh)	10.24
Operating Voltage Range (V)	44~56.8
Standard Charging Current (A)	100
Standard Discharging Current (A)	100
Max. Continues Output power (kW)	5
Protection	
Over Charge	✔
Over Discharge	✔
Over Current	✔
Reverse Connection	✔
Short Circuit	✔
Temperature	✔
Physical	
Dimensions (WDH, mm)	670 x 170 x 940
Weight (kg)	~90
Others	
Communication	RS232/RS485/CAN
Scalability	up to 4
Charging Temperature(℃)	0~55
Discharging Temperature(℃)	-20~55
Design Life	15 years
Cycle Life (times)	6000
Certification	to be announced
Compatible Inverters	GOODWE/Growatt/Solis/Victron/Deye and more brands to be announced