

EnerMax-HIS

EnerGround Box

A new generation residential ESS product

Product Description

The product supports the autonomous control of battery charging and discharging voltage/current, which solves the bias current and circulation problems of parallel lithium battery system;

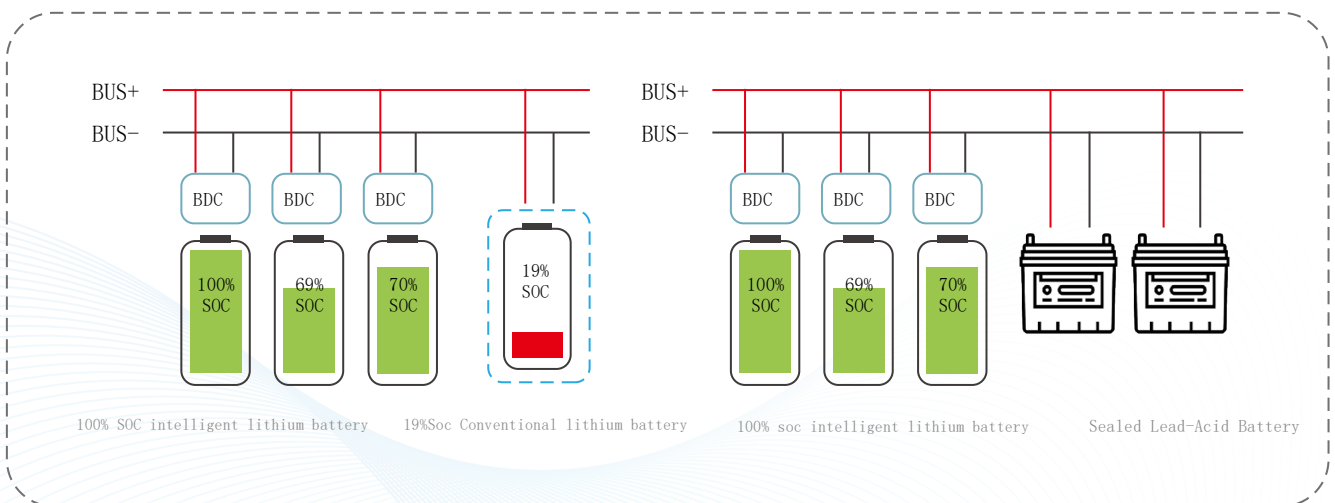
It supports the mixture of old and new lithium batteries and the intelligent mixing and matching of lithium lead-acid, and can participate in the intelligent peak cutting and cross-peak power consumption



Product Product Features

- Integrated BMS built-in BDC function;
- Zero circulation and bias flow in parallel;
- Built-in aerosol fire protection;
- Support parallel use with lead acid, support new and old lithium electric parallel use;
- Supports multiple working modes;

Application topology

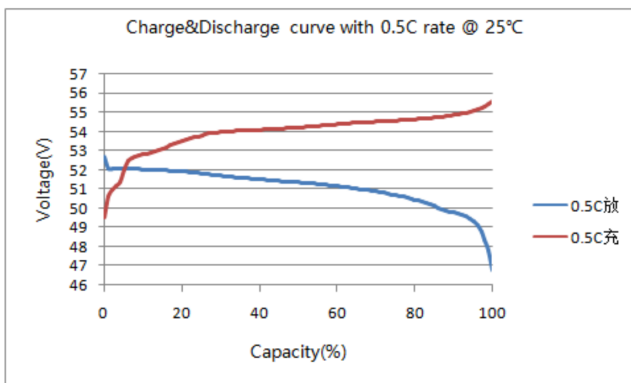


The new generation of intelligent lithium batteries can not only fully solve the problem of parallel available capacity of lithium batteries with different capacities, but also can be used together with lead-acid batteries.

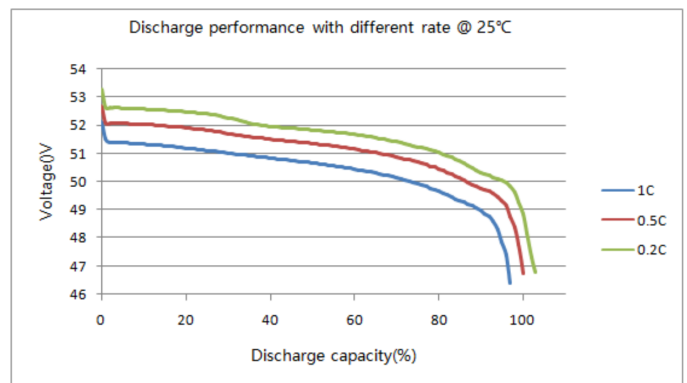
Production Type	HEB48V200	HEB48V300	HEB48V400
Battery Type	LFP		
Nominal Voltage[V]	48		
Energy Capacity[kwh]	9.6 @0.5C, 25 °C	14.4 @0.5C, 25 °C	19.2 @0.5C, 25 °C
Dimension [W*D*H, mm]	600*350*720	600*350*1320	600*350*1320
Rated Output Voltage[V]	56.4		
Output Voltage Range [V]	40~58 (support constant voltage output)		
Output Power [W]	9600	14400	19200
Max Out current[A]	180 / 200	240 / 300	360 / 400
Weight [Kg]	108	166	208
Cycle Life	3,500次 (25 °C, 0.5C, 90%DOD, 70%EOL)		
Communication Interface	RS485/CAN		
Max Parallel Quantity	16 (CAN) , 8 (RS485)	8 (CAN) , 4 (RS485)	
Equilibrium Mode	Balanced current		
Balanced Current [mA]	100		
Cooling Mode	Air cooling		
IP Grade	IP65		
Installation Method	Floor model		
Fire Fighting Mode	Built-in aerosol		
Working Temperature [°C]	Charge: 0~45, Discharge: -20~45		
Storage Temperature [°C]	0~40		
Relative Humidity	5%~95%		
Protection and Alarm	Overcharge protection, over-discharge protection, over current , etc		
Design Life	10 years		
Work Mode	Battery characteristic discharge output mode, peak clipping mode, off-peak mode, etc		
Optional Accessories	Anti-theft function		

Performance curve

Battery charging and discharging curve



Battery characteristic discharge curve



* The above data may be updated, and the actual data shall prevail