



HTES

48V100

Advanced battery production technology uses a wide temperature range, low loss, high efficiency, cluster temperature control system, plug-and-play replacement, quick maintenance, safe and reliable, with high energy density and long lifespan, suitable for household energy storage and communication industries.

HELIOS 48100_(HTBP-48V100) 48V ENERGY STORAGE MODULE

3U standard chassis
High compatibility

Advanced BMS management system
Safe and reliable

Maximum Parallel connection
of 15

Real-time monitoring of battery
cells/voltage, and temperature

Accurate SOC algorithm with automatic
calibration

Uniform function of battery cells
Extending battery life



Intelligent protection



Long service life



Easy operation
and maintenance



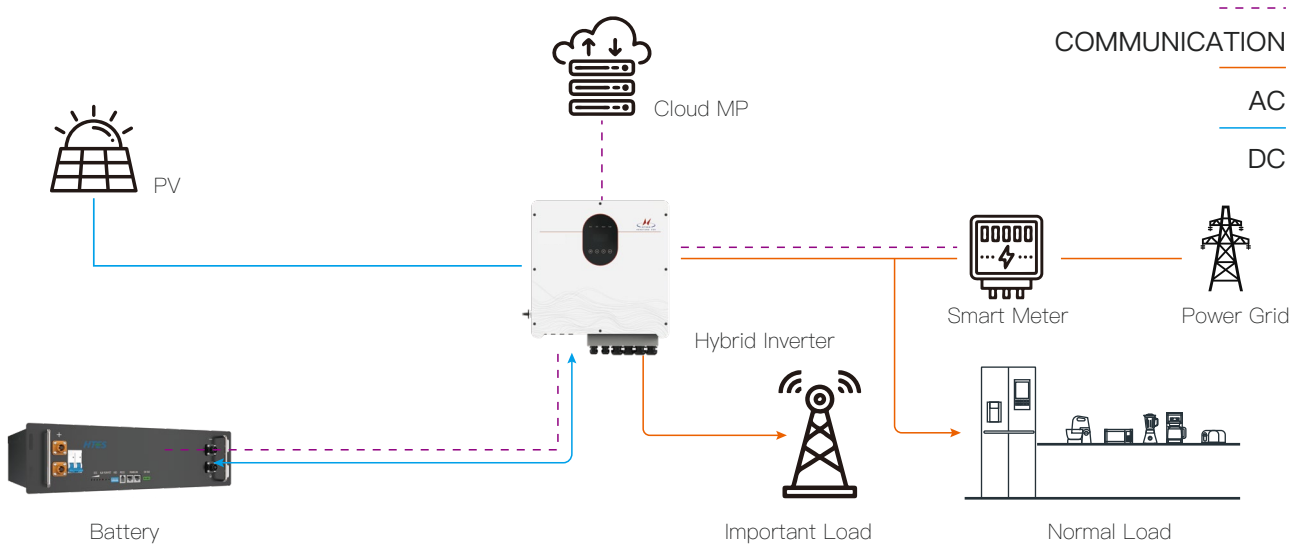
High-temperature
resistant



Easy installation

HELISO 48100

HTBP-48V100



ITEMS	SPECIFICATION	REMARK
Battery Type	LFP	
Nominal Capacity	100Ah	
Nominal Voltage	51.2V	
Nominal Energy ^①	5.12kWh	
Rated Charge Voltage	56.8V	
Max. Continuous Charge Current	50A(1C)	
Discharge Cut-off Voltage	42V	
Max. Continuous Discharge Current	50A(1C)	
Allowed Operation Temperature Range	Charging: 3~55℃ Discharging: -20~55℃	Recommended temperature range: 15℃~35℃
Weight	Approx. 41kg	
Cycle life ^②	6000 Cycles	15 years design life ^③
Relative Humidity	<95% RH	
Safety	IEC 62619; ENIEC 61000-6-1/2/3/4	

Note: ① Test conditions: Based on the date of manufacture and batch, at 100% depth of discharge (DoD), +25℃, charge and discharge at a rate of 0.2C.
 ② Based on the test date and batch, the data is measured at +25℃ with a depth of discharge (DoD) of 70%, a charge-discharge rate of 0.2C, and an EOL ≥ 70%.
 ③ At +25℃ with 70% depth of discharge (DoD), 0.2C charge and discharge rate, it can meet the conditions of one charge and one discharge per day.