



ABERDARE
A MEMBER OF HENG TONG GROUP

48V 100

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.

VIRGO (HTBP-48V100) 48V Energy storage module

3U standard chassis
High compatibility

Advanced BMS management system
Safe and reliable

Maximum serial connection of 5
Parallel connection of N

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



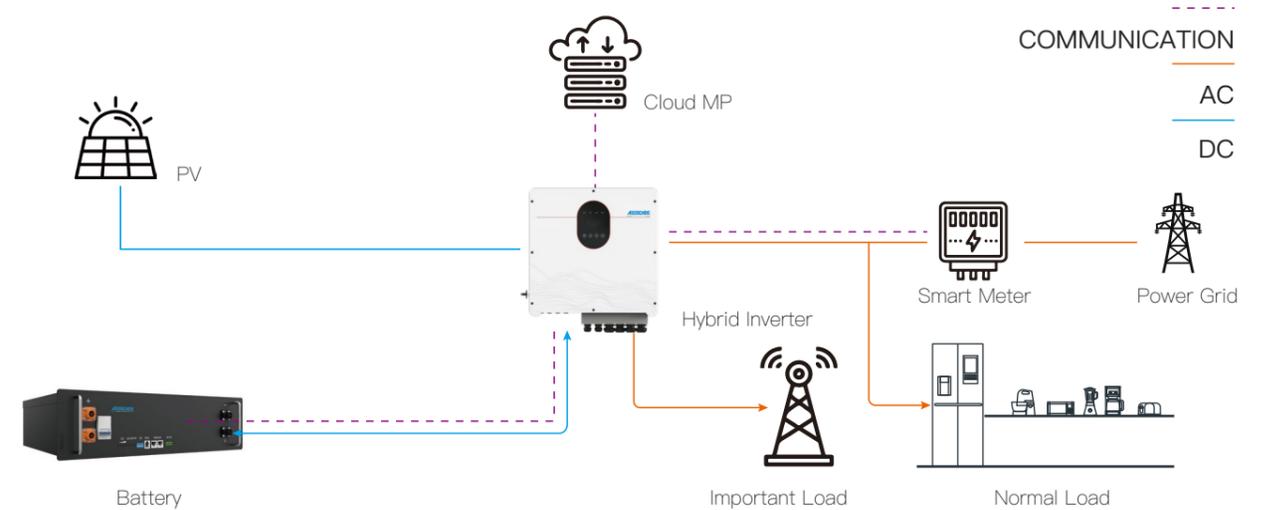
High-temperature resistant



Easy installation



VIRGO HTBP-48V100



ITEMS	SPECIFICATION	REMARK
Battery Type	LiFePO4	
Nominal Capacity	100.0 Ah	
Nominal Voltage	51.2 V	
Nominal Energy ^①	5.12kWh	
Rated Charge Voltage	56.8 V	
Max. Continuous Charge Current	100 A (1C)	
Discharge Cut-off Voltage	42 V	
Max. Continuous Discharge Current	100 A (1C)	
Allowed Operation Temperature Range	charging:0~55°C; discharging-20~55°C	Recommended temperature range: 15°C ~35 °C
Weight	Approx. 41 kg	
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°C, charge and discharge at a rate of 0.2C.
② Based on the test date and batch, the data is measured at +25°C with a depth of discharge (DoD) of 70%, a charge-discharge rate of 0.2C, and an EOL > 70%.
③ At +25°C 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.