



**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-48V 100) 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



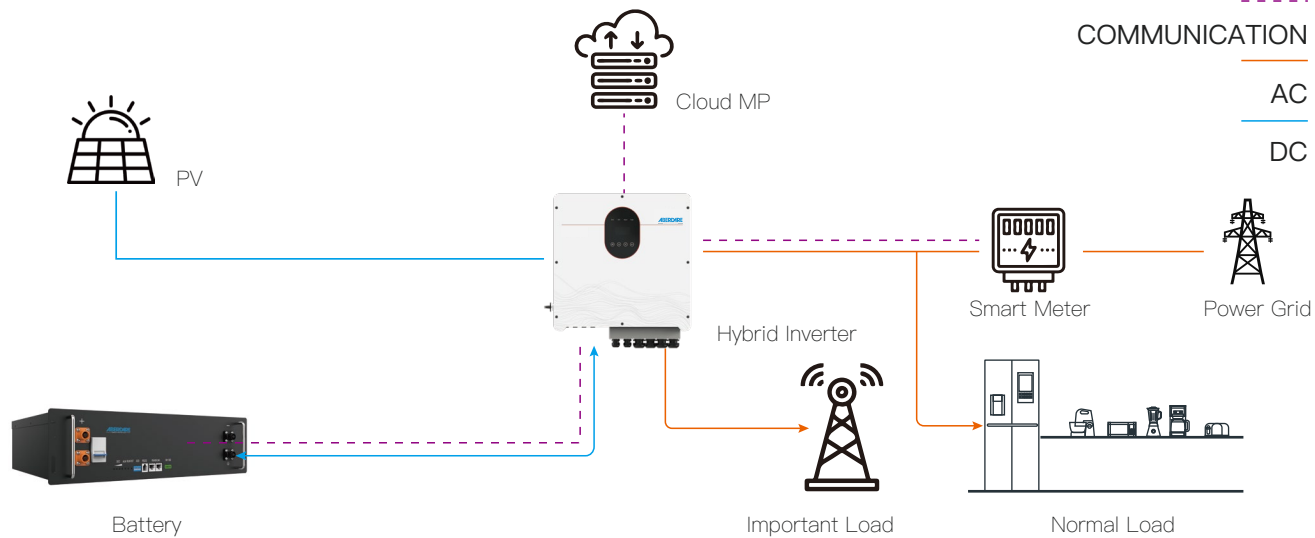
High-temperature  
resistant



Easy installation



**VIRGO**  
**HTBP-48V 100**



ITEMS	SPECIFICATION	REMARK
Battery Type	LiFePO4	
Nominal Capacity	100.0 Ah	
Nominal Voltage	51.2 V	
Nominal Energy <sup>①</sup>	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 OperationTemperature Range	charging:0~55℃; discharging-20~55℃	Recommended temperaturerange: 15℃ ~35 ℃
Weight	Approx. 41 kg	
Cycle life <sup>②</sup>	6000 cycles	15 years design life <sup>③</sup>
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.