

YINERGY PRODUCT | RESIDENTIAL



BPHY SERIES

High Voltage Battery

10-15kW | Stacked Design

Safety

- Cobalt Free Lithium Iron Phosphate (LFP)battery,safe and long lifespan, high eciency and high-power density.

Reliable

- Support high discharge power, module level. Auto-balancing, under-voltage automatic restart.

Convenient

- Battery module auto networking, automatic IP address-ing, easy maintenance, support USB drive upgrade the firmware.

Flexible

- Modular design, easy to expand, Max. capacity of 15.9 kWh. Suited to residential and commercial applications.

Eco-Friendly

- Use environmental protection materials, the whole module non-toxic, pollution free.


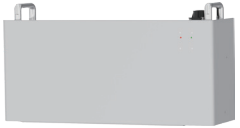
Floor-Mounted

- Free stand design, floor- mounted, saving installation space .
- USB drive upgrade the firmware.

	BP-10.6H-Y1	BP-15.9H-Y1
	AC Input	
Total Energy	10.6 kWh	15.9 kWh
Battery Module	BP-SC-Y1 102. 4V 5. 3kWh	
Number of Modules	2	3
Cell Type	LFP (LiFe P04)	
Nominal Voltage	204.8 V	307.2 V
Operating Voltage	160 V - 233.6 V	240 V - 350.4 V
Max . Charge / Discharge Current	50 A	50 A
Continue Discharge Output	10 kW	15 kW
	Other Parameter	
Dimension [W*D*H]	740 * 220 *900mm	740 * 220 * 1235mm
Approximate Weight	116 KG	166 KG
Recommend Depth of Discharge	90%	
LED Indicator	4 LED (SOC: 25%-SOC, 100% blue), 2 LED (working green, alarming red)	
IP Rating of Enclosure	IP65 (Outdoor)	
Operating Temperature	Charge: 0°C - 50 C / Discharge: 0°C - 50°C	
Storage Temperature	0°C - 35°C	
Humidity	≤ 95%	
Altitude	≤ 2000m	
Cycle Life	10 + years, 6000 cycles (90% DOD, 25°C)	
Installation	Stack, Floor-mounted	
Communication Port	CAN2.0, RS485	
Certi cation	UN38.3, IEC62619, UI1973	

[1] DC Usable Energy, test conditions: 90% DOD, 0 .5°C charge & discharge at 25°C. System usable energy may vary due to system con guration parameters .

[2] The current is a fected by temperature and SOC.

	System Components	
BP-BMS-Y1	High Voltage Battery Control Unit	
Operating Voltage Max Charge / Discharge Current Ingress Protection Operating Temperature Storage Temperature Dimension (W*D*H) Approximate Weight	70 - 600 Vdc 50 A IP65 (Outdoor) 0°C-50°C 0°C-35°C 740*220*170 mm 11 KG	
BP-SC-Y1	Battery Module	
Battery Type Nominal Voltage Nominal Capacity Nominal Energy Max Charge / Discharge Current Operating Temperature Storage Temperature Ingress Protection Dimension (W*D*H) Approximate Weight	LiFePO4 (LFP) 102.4 Vdc 52 Ah 5.3 kWh 50 A 0°C-50°C 0°C-35°C IP40 (Indoor) & IP65 (Outdoor) 740*220*335 mm 50 KG	
BP-BMS-Y1	Base	
Dimension (W*D*H) Approximate Weight	740*220*60 mm 5 KG	