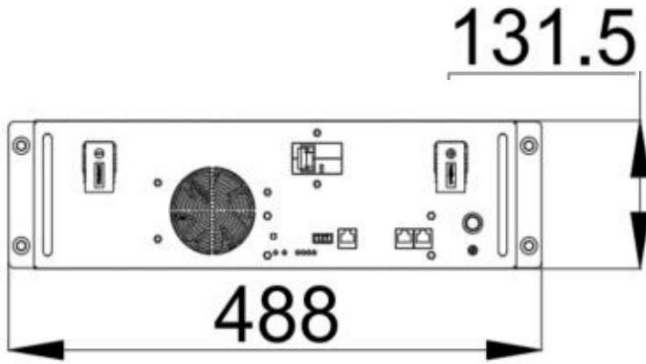


# HynerES LFP-48V/100Ah-DC



## Technical Specifications

<b>ProductType: Hyner-ESB-48V/100-DC-A</b>	<b>48V/100Ah</b>
<b>Electrical Characteristics</b>	
Nominal Voltage	DC 48V
Nominal Capacity	100Ah
Energy	4800Wh
Battery Chemistry	Lithium Iron Phosphate (LFP)
Cycle Life	≥6,000 cycles @77°F(25°C)±2°C, 0.5C, 90%, 70%EOL
Operating Voltage	37.5V~57.75V
Communication Interfaces	RS485
Scalable	Up to 12 units
<b>Charge &amp; Discharge</b>	
Nominal Charging Current	100A
Nominal Discharging Current	100A
Overall Efficiency	≥95%@25°C±2°C, 0.5P
<b>Environmental</b>	
IP Rating	IP30
Charging Temperature	0°C to 55°C
Discharging Temperature	-20°C to 55°C
Storage Env.(Temperature/Condensation)	-20°C to 35°C, 0~95%RH
Altitude	≤2000m, otherwise reduced capacity
Cooling Method	Natural/Fan Cooling
<b>Mechanical</b>	
Dimension(W*H*D, mounting lug excluded)	442*131.5*455mm
Weight	45±5kG
Installation	Rack mounted
<b>Security features</b>	
Insulation performance	≥2MΩ@500VDC, 60s
withstand voltage properties	≤30mA@710VDC, 60s
electrostatic protection(ESD)	±6kV CD, ±8kV AD
<b>Certificates</b>	
UL1973, UL9540A, UL9540/UL	✓
IEC 62619 IEC61000-6-1/2/3/4 UN38.3	✓

Notes: Contact with Hyner for updates

\*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

\*The specifications are subject to change without prior notice.