

Pytes

BP-BOX 48100

Telecommunication
Backup Power Solution



Features

-  100Ah Larger Capacity in Given Space
-  19" Wide & 3U for Easy Installation and Upscaling
-  Built-in intelligent BMS
-  Flexible Operation with Multi Communication Options
-  10 Years Longer Service Life

Parameters

Cell Information

Cell Type	LFP Prismatic
Series-parallel Scheme	1P15S

Electrical

Rated Voltage	48VDC
Rated Capacity	100Ah
Max Continuous Charging Current	50A(0.5C)
Max Continuous Discharging Current	100A(1C)
Overcharge Protection Voltage	54.0V
Overdischarge Protection Voltage	42.5V
External Power Terminal	M6

Communication

External Communication Port	2*RS485+RS232+Ethernet port(SNMP)
External Communication Protocol	RS485(Modbus), RS232, SNMP
Wifi Communication	Yes
SNMP	Yes
Dial Switch	6 bit Binary
Dry Contact	Two-way Inputs/Outputs

Environmental

Temperature Sampling	Cell: 4 Channels BMS: 1 Channel
Operating Temperature	Charge: 0°C ~ 55°C Discharge: -20°C ~ 55°C
Storage Temperature	-20°C ~ 50°C
Operating Relative Humidity	5 ~ 95% No condensation
Storage Relative Humidity	5 ~ 95% No condensation

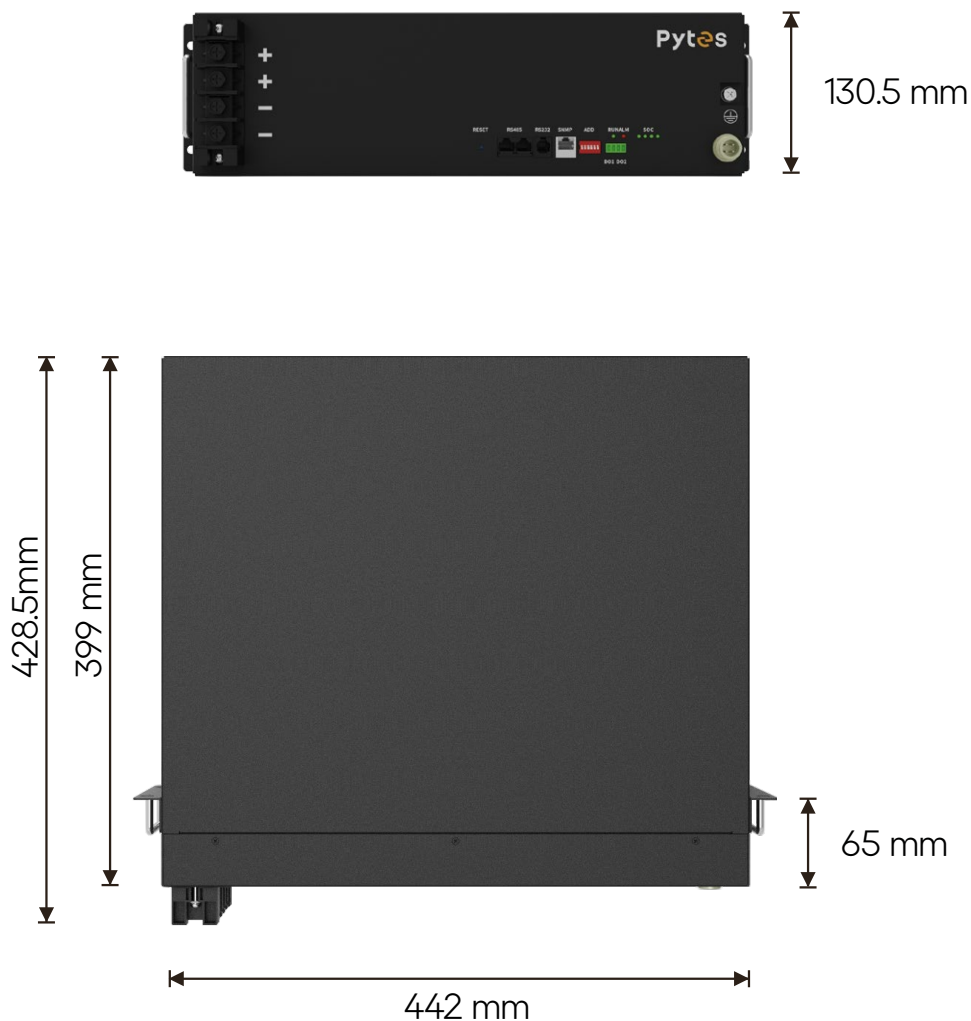
BMS

Equilibrium Management	Passive Equalization
Voltage Management (Cell & Module Level)	Charging High Voltage Alarm & Over Voltage Protection Discharging Low Voltage Alarm & Under Voltage Protection
Current Management	Over Charge & Over Discharge
Temperature Management (Cell & Module Level)	Charging High/Low Temperature Alarm and Protection; Discharging High/Low Temperature Alarm and Protection
Charging Current Limit	10A. Triggered if Charging Current over 60A. Adjustable
Reverse Protection	Yes

General

Panel Color	RAL9005
Ingress Protection	IP20
Dimensions (W*D*H)	442mm*399mm*130.5mm(3U)
Weight	≤ 45kg
Design Life	10 Years

Dimensions



Pytes

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