



DATASHEET

Nominal Parameters

Battery Technology	Lithium Iron Phosphate (LiFePo ₄)		
Model	PELTON-48V200A	PELTON-48V100A	PELTON-24V200A
Nominal Voltage	51.2V		25.6V
Rated Capacity	200Ah	100Ah	200Ah
Energy	10,240Wh	5,120Wh	
Compatible Application	48V Systems		24V Systems
Depth of Discharge (DoD)	80%		
Cycle life	5,000 Cycles		
Dimension	480 x 187 x 820mm	415 x 122 x 820mm	404 x 122 x 820mm
Weight	About 120kg	About 70kg	About 70kg
Warranty	5 Years		

Electrical Characteristics

Charge Voltage	57V	28.5V
Float Voltage	57V	28.5V
Cut-off Voltage	46V	23V
Active Balancing Current	5A	
Max. Charge Current	150A	
Max. Discharge Current	150A	
Max. Parallel Connection	11	
Series Connection	Not Supported	

Operating Conditions

Installation Location	Indoor (Standing)
Temperature Range	0°C - 55°C
Enclosure	Metallic
IP Rating	IP20
Maintenance	Charge the battery once in 3 months when in storage or inactive status

Features

BMS	Pelton Proprietary BMS
Communication	Bluetooth, BLE (5m – 10m)
Mobile Application	Android
Screen Display	LCD Always ON
Active Balancing	Yes
Integrated Smart Cooling	Yes
Alarm Notification	Yes
Multiple Temp. Sensors	MOSFET, Cell
Error Message	Readable Plain Text (English)

Protection

Protection	Over Voltage Protection
	Under Voltage Protection
	Over Current Protection
	Over Temperature Protection
	Under Temperature Protection
	Short Circuit Protection

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