

MSR

LITHIUM BATTERIES

48V 30Ah

ELECTRIC BIKE BATTERY



LiFePO4



Bluetooth



1,560Wh



TECHNICAL SPECIFICATIONS

48V CLASS | 30Ah

Model	EV4830
Battery Type	LiFePO4
Nominal Voltage	52 V
Nominal Energy	1,560 Wh
Nominal Capacity	30 Ah
Operating Voltage Range	43.2 V - 58 V
Standard Charging Current	10 A
Maximum Continuous Charging Current	20 A
Cut-Off Charging Voltage	58.4 V
Cut-Off Charging Current	1 A
Standard Discharge Current	40 A
Maximum Continuous Discharge Current	60 A
Maximum Pulse Discharge Current	100 A
Cut-Off Discharge Voltage	43.2 V
Cut-Off Discharge Current	1 A
Dimensions	120 × 220 × 290 mm
Weight	8 kg ± 1 kg
Cell Type	33135/cylindrical
Cell Configuration	16S2P
Working Temperature/Charge	0°C to +55°C
Working Temperature/Discharge	-20°C to +60°C
Ingress Protection	IP21
Cooling Type	Natural Cooling
Humidity	10% - 96%
Altitude (m)	2,000 m
Shell Material	Fiber + Wrap
Current Limiting Function	No
Precharge Function	Enable
Display Mode	Switch/LCD (optional)
Design Life	10 Years
Cycle Life	>4,000 @ 25°C, 0.5C, 90% DOD
Application Support	Yes (via Bluetooth)

MSR Energy Solutions

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