



GET POWER



CHARGED UP FOR ULTIMATE PERFORMANCE



LITHIUM ION RECHARGEABLE BATTERY

Salient Features

100% efficient for Charge/Discharge | Eco Friendly | Quick Charge | Plug and Play Battery | IP 65 Compliance | Mechanical locking arrangement | Over Temperature Cutoff | Cut off - Over Charge & Over Discharge | Reverse Polarity | Shock Absorption | Short Circuit Protection

48V/80Ah E-Rikshaw Lithium-Ion Battery

DESCRIPTIONS	SPECIFICATIONS
Battery Configuration	48V-80Ah
Capacity of Individual Cell	3.2V-80Ah
Type of Cell	Prismatic
Cell Chemistry	LFP
Nominal Capacity	80Ah
Nominal Voltage	48V
Voltage Range	37.5V - 54.75V
Total Energy	3.84 Kwh
Configuration	15S 1P
Charging Current	Recommended 0.2C, Max 0.5C
Discharge Current	0.5C Standard, 1C Max
Discharge Cut-off Voltage	37.5V
Charging Time	Around 3 Hrs (@0.5C)
Maximum Pulse Discharge Current	160 A
Cycle Life @ DOD 80%	>2500 Cycle @ 25deg
Peak Power at Low Temperature	140 A
Working Temperature Range	-20C - 60C , Humidity < 85% (Discharge) 0C - 50C , Humidity < 85% (Charge)
Battery Case Material	Metal
Battery Link	15S
Output Discharge Voltage Nominal	48V
Operating Temperature	-20C - 50C (Discharge) 0C - 45C (Charge)
Operating Humidity	0% - 90%
Storage Temperature	-20C - 45C
Storage	0% - 90%

PROTECTION PARAMETER
Overcharge Cut-off Voltage 54.75V
Deep Discharge Cut-off Voltage 37.5V
Short Circuit Protection Yes
Over Charge Protection Yes
Cell Balancing Yes
SOC Measurement During Charging Yes
GPS (Optional) GPRS : Class 12, TCP/IP GSM 1800/GSM1900:30 dBm
CAN Communication (Optional) 2.0B
Charge / Discharge Connector Type Anderson SB50
TEST REPORT / APPROVALS
Battery Pack Weight (Kg) Net wt - 37 Kg
Battery Pack Box Dimensions 607X250X145mm (LXWXH)
Battery Pack Overall Dimensions 615X250X145mm (LXWXH)

Release Date: G-20 | Ver : 1.0 | A Reliable Portable High Performance Battery

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