

E-RICKSHAW**Li-ION BATTERY****AIS 156**
PHASE 2
 **CERTIFIED****HIGHLIGHTS**

- ✓ IP65/67 compliant
- ✓ Reverse polarity
- ✓ Temperature cutoff
- ✓ Mechanical locking arrangement
- ✓ Shock absorption
- ✓ Short circuit protection
- ✓ Plug & play battery
- ✓ Overcharge & discharge Cutoff
- ✓ 100% efficient for charge / discharge

**Eco
Friendly****Long
Life****Fast
Charging****Maintenance
Free**

Specifications	Parameter	Remarks/We recommended
Nominal voltage	51.2V	
Battery configuration	16 S 1P-100Ah	
BMS	Smart BMS Technology with AIS Compliance 156	
Cell type & chemistry	Prismatic / Lifepo4(LFP)	
Rated capacity	100Ah	
Nominal energy (.25C @ 25°C)	5120Wh	
Usage application	E-Rickshaw Loader 3 Wheeler	
Battery operating voltage range	43.2V~ 58.4V	44.8V~ 57.2V
continuous charging current	35 Amp	
Maximal charging current	45 Amp	
Continuous Discharging current	60 Amp	
Max peak discharge current	100 Amp	150 mS
Max Charging Time	4 Hr @ 25 Amp	
Max Discharging Time	4 Hr @ 25 Amp	
Operating temperature range for charging	(0°C ~ 45°C)	27°C
Operating temperature range for Discharge	(-20°C ~ 60°C)	27°C
Recommended Operating range of SOC	10 % ~ 90 %	
Communication interface	CAN	
SOC required for long period storage & transportation	40 % of Rated capacity (AH) for 1 Month	
Dimension MM(L*W*H)	430 * 370 * 300	It can be change as per company standard
Weight with metal Cabinet	56 Kg Gross	
Inbuilt Display / Bluetooth	No / Yes	
MCB / Fuse	No / Yes	
life cycle	After 3500 cycle @ 80% capacity on 0.5C discharge with 27 °C temp.	
Battery efficiency	≥ 94 % @ 27 °C	
Inbuilt Automatic Protection System	Yes, with LED indicator or Buzzer	
Automatic low voltage protection	Yes	
Automatic over voltage protection	Yes	
Automatic over charge/discharge current protection	Yes	
Automatic over charge/discharge temp protection	Yes	

*Design/specificationsAreSubjecttoChangeWithoutPriorNoticeDuetoConstantImprovementsinDesign&Technology.

FUJIYAMA POWER SYSTEMS LTD.

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