



LITHOPURE E-RIKSHAW 100Ah BATTERY DATASHEET		
Applicability	Model Name	LFP100-X2
	Vehicle Type	BOV
	No. Of Wheels	3W & 4W
	Rated Voltage System(V)	48
	Motor Power (kWh)	0.85~1.2
About The Pack	Chemistry	LFP
	Capacity (AH)	100
	No. Of Cells	16
	Pack Dimensions(L X B X H)(mm)	440x300x250
	Nominal voltage (V)	51.2
	Charging Time(hrs)	5
	Maximum Power(kWh)	4.92
	Battery Management System(BMS) Installed	Yes
	Maximum Continuous Discharging current (A)	50
	Weight Of Pack(kgs)	46.7
	Power connector	Anderson Connector SB-50
	Operating voltage range (V)	42 ~ 54.8
	About The Charger	Input
Charging mode		CC/CV
Standard Charging current (A)		20
Recommended charging voltage (V)		58.4V
Auto Over-voltage Cutoff		Yes
Charged Indication		Green
Charging Indication		Red
Temperature Characteristics	Over temperature protection in discharging mode(deg C)	75
	Over temperature protection in charging mode(deg C)	65
	Maximum working temperature	-20°C to +65°C
	Storage temperature(Humidity<90% & no condensation)	-30°C to +75°C
Protections	Cell over voltage protection	YES
	Cell under voltage protection	YES
	Charging over current protection	YES
	Discharging over current protection	YES
	Output short circuit protection	YES
	Cell temperature protection in discharging mode	YES
Warranty	Cycle life @ 80 DOD%	3 Years

*Specifications maybe improvised/optimized, without prior notice for betterment of product

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