


eScooter Battery

LFP / NCM

 Life 2,78,000 km

 Cost Comparison

	Future Li-Ion	SLA	Petrol
Running Cost (paisa/km)	15	44	150
Environment Impact	Non-Polluting	Polluting	Polluting



Indigenously designed and made in India this Li-ion battery is ideal energy source for eScooters. Safety features and compact design makes it best available option for indian roads & temperature conditions.

Dimensions and cell configuration are customizable for optimum usage.

Easy to replace with SLA / VRLA batteries.

SALIENT FEATURES

- ⚡ 100% Efficient for Charge / Discharge
- ⚡ Eco Friendly
- ⚡ Quick Charge
- ⚡ Plug & Play Battery
- ⚡ Mechanical Locking Arrangement
- ⚡ IP 65 Compliance

PROTECTION

- ⚡ Cutoff - Over Charge & Discharge
- ⚡ Temperature Cutoff
- ⚡ Reverse Polarity
- ⚡ Shock Absorption
- ⚡ Short Circuit Protection



Technical Specification

Sr. No.	Parameters	Factor	Unit	48 V 20 Ah (1 kWh)		48 V 25 Ah (1.3 kWh)		48 V 30 Ah (1.5 kWh)		60 V 20 Ah (1.3 kWh)		60 V 30 Ah (1.9 kWh)		72 V 20 Ah (1.5 kWh)		72 V 30 Ah (2.2 kWh)	
				Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime
1	Series			Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime	Grand	Prime
2	Models			FR313	LH139	FR314	LH114	FP071	LH113	FR315	LH142	FP065	LH059	FR316	LH143	FP084	LH098
3	Voltage Cut-off (Operating Voltage Ranges)	Upper	V	58.4	58.8	58.4	58.8	58.4	58.8	73	71.4	73	71.4	84	84	84	84
		Lower		40	39.2	40	39.2	40	39.2	50	47.6	50	47.6	57.5	56	57.5	56
4	Continuous Discharge Current		A	20		20		20		20		20		20		20	
5	Charge Current			10													
6	Internal Resistance		mΩ	80	120	80	120	80	120	80	120	80	120	80	120	80	120
7	Peak Discharge Current	Pulse for 5S	A	50	50	50	50	50	50	40	40	40	40	50	50	50	50
8	Compatible Motor		W	500		500		500		600		600		800		800	
9	Dimensions	l x w x h	mm	290x160x190	220x160x190	330x160x190	290x160x190	180x240x340		290x160x190	290x160x190	180x240x340	290x160x190	180x240x340	290x160x190	180x240x340	
10	Operating Temperature	Charging	°C	0 ~ 45		0 ~ 45		0 ~ 45		0 ~ 45		0 ~ 45		0 ~ 45		0 ~ 45	
		Discharging		0 ~ 60	0 ~ 45	0 ~ 60	0 ~ 45	-20 ~ 60	0 ~ 45	0 ~ 60	0 ~ 45	-20 ~ 60	0 ~ 45	0 ~ 60	0 ~ 45	-20 ~ 60	0 ~ 45
11	Charging time (CC/CV)		hr	2.5 ~ 3		3 ~ 3.5		3.5 ~ 4		2.5 ~ 3		3.5 ~ 4		2.5 ~ 3		3.5 ~ 4	
12	Weight		kg	10	7	13	10	14	12	12	8	19	13	15	10	21	17
13	Mileage **	Average per charge	km	65		80		95		65		120		70		105	

*Flexible. Values may vary.
 *Communication Optional
 *IP Option Available
 *Connectors - Anderson
 **Tested under ideal conditions



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We are committed to deliver world class energy solutions in a safe, reliable, efficient and environmentally sound manner.

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& many more

MNRE Channel Partner

ICAT / ARAI / BIS

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