

Lithium Battery FR / LR Series

(For Solar Street Light)

LIFE **7+**
YEARS



-  7+ Years Life
  Upto 2 kW Capacity
  Customizable Sizing
  Robust

To meet the initiative of Govt of India and guidelines of MNRE to produce eco friendly and green batteries for Solar applications, we, being their channel partners, offer following standard Lithium ion and Lithium phosphate made in India batteries.

Some standard packs are listed below and any other capacity can be developed or indigenously designed.

SALIENT FEATURES

- ⚡ MNRE & BIS approved
- ⚡ Warranted for true capacity & performance
- ⚡ Light in weight, customizable sizing
- ⚡ No maintenance required
- ⚡ 2000+ life cycles
- ⚡ Easy to install



TECHNICAL SPECIFICATIONS

S.No	Description	160W			120W		
		FR051	LR032	LR156	FR108	LR157	LR183
1	Cathode Chemistry	LFP	NMC	NMC	LFP	NMC	NMC
2	Voltage (Vdc)	12.8	14.8	14.8	12.8	14.8	14.8
3	Capacity (Ah)	12.8	11	10.75	9.6	8.6	8
4	Energy (Wh)	164	163	160	121	127	119
5	Internal Resistance (mΩ)	≤80	≤120	≤110	≤120	≤135	≤150
6	Dimension (mm)	110x110x75	280x95x22	280x95x22	280x82x30	80x80x75	80x80x75
7	Weight (kg)	1.6	1	1	1.2	0.8	0.8
8	Current Rating (A)	5	4	4	3	3	3
9	Charge Voltage (V)	14.6	16.8		14.6	16.8	
10	Operating Voltage (V)	14.6 to 10	16.8 -11.2		14.6 to 10	16.8 -11.2	
11	Compatible Solar Panel (Wp)		60			40	
12	Life cycle (Nos.)	1500-2500	400-600	1500-1800	1500-2500	1500-1800	400-600

SOME MORE STANDARD PACKS

S.No	Model	Chemistry	Voltage(V)	Capacity (Ah)	Energy (Wh)	Dimensions (mm)	Life Cycle (Nos)	Weight (Kg)
1	LR144	NMC	7.4	13.2	98	120 x 40 x 75	400-600	1
2	LR025	NMC	11.1	17.6	195	140 x 80 x 75		1.5
3	FR025	LFP	12.8	21	269	190 x 110 x 75	1500-2500	3
4	LR034	NMC	14.8	26.4	391	160 x 120 x 75	400-600	3
5	LR073	NMC	11.1	66	733	290 x 120 x 80		5.5
6	FR101	LFP	25.6	39	998	390 x 200 x 80	1500-2500	11.5
7	LR165	NMC	14.8	135	2000	160 x 300 x 160	400-600	15

PROTECTION

- ⚡ IP 65 enclosure
 ⚡ Short Circuit
 ⚡ Reverse Polarity
 ⚡ Over voltage & current
 ⚡ Charge & discharge release



The future lies with
Future Hi-Tech

We are certified for the essential parameters of the industry which includes:



Further we are empanelled with following agencies:

DRDO-SASE | BEL | COD
& many more

MNRE Channel Partner

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