

Electrical Characteristics

Maximum Cut-off Voltage (V)	14.6	14.6	14.6	14.6	14.6	14.6
Minimum Cut-off Voltage (V)	10.0	10.0	10.0	10.0	10.0	10.0
Charging Voltage (V)	14.2	14.2	14.2	14.2	14.2	14.2
Recommended Charging Current (A)	3	3	5	6	10	10
Maximum Charging Current (A)	5	6	10	10	15	15
Maximum Continuous Discharging (A)	10	15	20	20	30	30
Cell Discharging Protection Level (V)	2.50	2.50	2.50	2.50	2.50	2.50
Cell Charging Protection Level (V)	3.65	3.65	3.65	3.65	3.65	3.65
Cycle Life @25°C	2000	2000	2000	2000	2000	2000

Protection

Cell Under Voltage Protection	Yes	Yes	Yes	Yes	Yes	Yes
Cell Over Voltage Protection	Yes	Yes	Yes	Yes	Yes	Yes
Over Current Protection	Yes	Yes	Yes	Yes	Yes	Yes
Short Circuit Protection	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Protection	Yes	Yes	Yes	Yes	Yes	Yes

Temperature

Working Temperature (°C)	20 to +55	20 to +55	20 to +55	20 to +55	20 to +55	20 to +55
Storage Temperature (°C)	10 to +35	10 to +35	10 to +35	10 to +35	10 to +35	10 to +35

Others

Dimensions (L x W x H) in mm	133X70X75	133X100X75	137X135X75	165X133X75	230X133X75	305X140X75
Approximate Weight (Kg)	1.5	1.7	2.3	2.9	4.1	5.2
Power Connector	As Required	As Required	As Required	As Required	As Required	As Required

Application



Street Lights



Residential
Solar Solutions



Solar Spot Lights



Solar Fans

Established in 2014, Electrochem Power Systems Pvt. Ltd. stands as a pioneering force in the realm of battery solutions, catering to both individual consumers and industrial sectors. Our services encompass the sale of new batteries and tools along with the repair and revitalisation of old ones to prolong their lifespan and reduce lead-based pollution. Furthermore, our expertise extends to the manufacturing of chemical additives and charging equipment, tailored to meet the demands of electric vehicle applications across diverse sectors. As a notable division within Salasar Techno Engineering Limited, renowned for its comprehensive steel solutions that encompass engineering design, procurement, fabrication, galvanization, and EPC services, we leverage the synergy to position ourselves as leaders in the Indian market for high-quality Li-ion batteries.

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INTELLIGENT ENERGY SOLUTIONS

SMART LI-ION BATTERIES REDEFINING GREEN POWER



Salient Features

- Long Life Cycle
- High Performance
- Eco-Friendly
- Maintenance Free
- High Safety Performance
- Wide Operating Temperature Range
- Completely Recyclable

Technical Specifications



General Characteristics

Models	EPS012012SB	EPS012018SB	EPS012024SB	EPS012030SB	EPS012042SB	EPS012054SB
Nominal Voltage (V)	12.8	12.8	12.8	12.8	12.8	12.8
Capacity (Ah)	12	18	24	30	42	54
No. of Cells in Series	4	4	4	4	4	4
No. of Cells in Parallel	2	3	4	5	7	9
Total Number of Cells	8	12	16	20	28	36
Cell Type	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical	Cylindrical
Chemistry	Li-FePO4	Li-FePO4	Li-FePO4	Li-FePO4	Li-FePO4	Li-FePO4