

Lithium-Ion BATTERIES



EV



**SOLAR
BATTERIES**



**2 WHEELER
E-CYCLE**



**SOLAR STREET
LIGHT**



**AIS156
COMPLIANT**



Two Wheelers



Model-Series-“E-Wheel Power”

Lithium Batteries For Low Speed & High Speed 2W Specs*

Technical Specifications

Model	48V30Ah	60V24Ah	60V30Ah	60V42Ah	72V30Ah	72V36Ah	72V42Ah	72V60Ah
Type	LFP	LFP	LFP	LFP	LFP	LFP	LFP	LFP
Nominal Voltage	48 V	60 V	60 V	60 V	73.6V	73.6V	73.6V	73.6V
Ah Capacity	30 Ah	24 Ah	30 Ah	42 Ah	30Ah	36Ah	42Ah	60Ah
Wh Capacity	1440 Wh	1440 Wh	1800 Wh	2520 Wh	2208Wh	2650 Wh	3090 Wh	4416 Wh
Recommended Charging Current	10A(Max)	10A(Max)	10A(Max)	10A(Max)	15A(Max)	15A(Max)	20A(Max)	20A(Max)
Recommended Charging Voltage	54V	68V	68V	68V	83V	83V	83V	83V
Cell Balancing	✓	✓	✓	✓	✓	✓	✓	✓
Discharge Current	30A(Max)	24A(Max)	30A(Max)	42A(Max)	30A(Max)	36A(Max)	42A(Max)	60A(Max)
Recommended Operating Range	42V-54V	50V-69V	50V-69V	50V-69V	57V-83V	57V-83V	57V-83V	57V-83V
Operating Temperature	0-60° C	0-60° C	0-60° C	0-60° C	0-60° C	0-60° C	0-60° C	0-60° C
Storage Temperature	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C
BMS Feature	Protection Against Deep Discharge,Over Charge / Under Charge ,Over Current, Over Voltage Under Voltage							
Battery Warranty	As per Industry Norms/3 years							

*Customised options available in LFP/ NMC for OEM only.

Rajpura Factory :- Nh1, Rajpura-Ludhiana Road, Punjab , India
Mohali Factory :- E-226, Ph-8b, Ind Area, Mohali, Punjab ,India
Corporate Office :- SCO-117/118, Sec-43B, Chandigarh, India

“Finike Lithium” A Unit Of Spinoff Technopark Ltd.
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For any sales enquiry please contact us: +91 84370-42204

E-rickshaw/E-loader/E-auto(L3-L5) Lithium Battery Specs*

DATA SHEET-LITHIUM-ION E-RICKSHAW BATTERY PACK-51.2 V, 105AH/48V100AH/48V200AH/60V105AH					
1	General Characteristics	Model	48V100AH	51.2V105AH	60V105AH
		Chemistry	LFP	LFP	LFP
		Number Of Cell In Series	15	16	19
		Number Of Cell In Parallel	1	1	2
		Nominal Voltage (V)	48V	51.2V	60 V
		BMS Type (Options)	Smart /HW	Smart /HW	Smart /HW
		Nominal Capacity	100 AH	105 AH	200 AH
		Total Energy	4.8kWh	5.3kWh	9.6kWh
		Maximum Charge Current (A)	50 A	50 A	50 A
2	Electrical Characteristics	Continuous Discharge Current (A)	25 A	25 A	25 A
		Charging Mode	CC/CV	CC/CV	CC/CV
		Maximum Charging Voltage (V)	54 V	57 V	68 V
		Standard Discharging Current (A)	35A	35A	35A
		Recommended Charging Current (A)	16A-20A	16A-20A	16A-20A
		Battery Low Cut Off (V)	37.5V-42.5V	37.5V-42.5V	37.5V-42.5V
		Discharge cut off Voltage (V)	40 V	43 V	40 V
		Peak Instant Discharge Current (A)	75A	75A	75A
		Module Bluetooth (In smart BMS)*	Yes	Yes	Yes
3	Monitoring Characteristic	CAN Communication*	Yes	Yes	Yes
		Cell Over Voltage Protection	Yes	Yes	Yes
4	Protections	Charging Under Voltage Protection	Yes	Yes	Yes
		Charging Over Current Protection	Yes	Yes	Yes
		Discharging Over Current Protection	Yes	Yes	Yes
		Output Short Circuit Protection	Yes	Yes	Yes
		Cell Temperature Protection Incharging & Discharging Mode	Yes	Yes	Yes
		Operating Temperature During Charging	0°C to +55°C	0°C to +55°C	0°C to +55°C
5	Temperature Characteristics	Operating Temperature During Discharging	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
		Years	3	3	3
6	Warranty	Module dimension (LXWXH) mm*	(A) 523x318x280 (B) 590x380x280	(A) 523x318x280 (B) 590x380x280	Customized
		Power Connector	D type 3 Pin & Anderson SB 50	D type 3 Pin & Anderson SB 50	D type 3 Pin & Anderson SB 50
7	Mechanical Characteristics	Cables (Red & Black) SOC INDICATOR	2.0 meter	2.0 meter	2.0 meter
		GPS	Enabled*	Yes	Yes
8	Accessories	Live Location	Enabled*	Yes	Yes
		Software	Enabled*	Yes	Yes
9	GPS	DoD%	Depth of discharge	90%	90%



Model-Series-“Ride Max”

*Customised options available .

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LED Solar Street Light Specs*

Model-Series-“FLEXI SUN”

Technical Specifications

Model	12.8V12Ah	12.8V18Ah	12.8V24Ah	12.8V30Ah	12.8V36Ah	12.8V42Ah	12.8V48Ah
Chemistry	LiFePo4	LiFePo4	LiFePo4	LiFePo4	LiFePo4	LiFePo4	LiFePo4
Nominal Voltage	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V	12.8 V
AH Capacity	12 Ah	18 Ah	24 Ah	30 Ah	36 Ah	42 Ah	48 Ah
WH Capacity	154 Wh	230 Wh	307 Wh	384 Wh	460 Wh	537 Wh	614 Wh
Recommended charging current	5A(Max)	5A(Max)	10A(Max)	10A(Max)	10A(Max)	15A(Max)	20A(Max)
Recommended charging voltage	14.6	14.6	14.6	14.6	14.6	14.6	14.6
Cell Balancing	✓	✓	✓	✓	✓	✓	✓
Discharge Current	5A(Max)	5A(Max)	10A(Max)	10A(Max)	15A(Max)	15A(Max)	15A(Max)
Recommended Operating Range	10V-14.6V	10V-14.6V	10V-14.6V	10V-14.6V	10V-14.6V	10V-14.6V	10V-14.6V
Operating Temperature	-10 C~55°C	-10 C~55°C	-10 C~55°C	-10 C~55°C	-10 C~55°C	-10 C~55°C	-10 C~55°C
Storage Temperature	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C	0-35° C
BMS Feature	Protection Against Deep Discharge,Over Charge / Under Charge ,Over Current, Over Voltage Under Voltage						
Battery Warranty	3/5 years as per Customer's needs						

E-Cycle Lithium Battery Specs*

Model-Series-“LITHI PEDAL”

DATA SHEET-NMC E Cycle-36V10AH*

1	General Characteristics	Model	36V10AH
		Chemistry	NMC
		Nominal Voltage (V)	36V
		Nominal Capacity	10 AH
		Total Energy	360Wh
2	Electrical Characteristics	Operating Voltage Range (v)	28V-42V
		Charging Mode	CC/CV
		Recommended Charging Voltage (v)	42V
		Standard Discharging Current (A)	5A
		Maximum Discharging Current (A)	10A
		Standard Charging Current (A)	2A
		Maximum Charging Current (A)	5A
		Battery Low Cut Off (V)	28V
		Battery High Voltage Cut Off (V)	42V
3	Protections	DoD%	90%
		Cell Over Voltage Protection / Cell Under Voltage Protection	Yes
4	Temperature Characteristics	Charging Over Current Protection / Discharging Over Current Protection	Yes
		Operating Temperature During Charging	-10 °C to +55 °C
5	Battery IP	Operating Temperature During Discharging	-10 °C to +60 °C
		IP Category	IP 65
6	Warranty	Years	3



*Customised options available in all battery packs for OEM.

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