



Lithium LiFePO4 Battery



Arenq Series

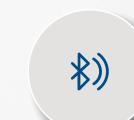
The Arenq Series, developed by Sunlit Power Pvt. Ltd., features advanced Lithium Iron Phosphate (LiFePO₄) battery technology, purpose-built for electric scooter (E-scooter) applications. Engineered for urban mobility, the Arenq Series combines high performance, long cycle life, and robust safety with key features like a compact and lightweight design, fast-charging capability, and an intelligent Battery Management System (BMS) for real-time monitoring and protection.



High Safety Performance



Fast Charging



Smart Bluetooth Connectivity For Battery Monitoring



Long Life cycles



Compact Design with IP67 Protection



Eco-Friendly



Better Thermal Stability



Passive Cell Balancing



The Arenq E-Scooter series range also includes system from 48V to 72V.



Ministry of MSME, Govt. of India



General Characteristics

MODEL	ARENQLFP 48-30	ARENQLFP 60.8-24	ARENQLFP 60.8-30	ARENQLFP 73.6-36	ARENQLFP 73.6-42
Power(W)	1440	1459.2	1824	2649.6	3091.2
Nominal Voltage(V)	48	60.8		73.6	
Capacity (AH)	30	24	30	36	42
No of Cell in Series	15	19		23	
No of Cell in Parallel	5	4	5	6	7
Total No of Cell	75	76	95	138	161
Cell Type	Cylindrical				
Chemistry	LFP				

Electrical Characteristics

Maximum Cut-Off Voltage (V)	54.75	69.35	83.95		
Minimum Cut-Off Voltage (V)	42	53.2	64.4		
Charging Voltage(V)	54.75	69.35	83.95		
Charging Current Range(A)	15	12	15	18	21
Discharging Current Range (A)	30	24	30	36	42
Cell Discharging Protection Level (V)	2.5				
Cell Charging Protection Level (V)	3.65				
Balancing Current (mA)	200				
Cycle Life	1500 -2000				
DOD Level	100%				

Temperature

Working Temperature (°C)	-20 C to +60 C				
Storage Temperature (°C)	23 C - 27 C (30% SOC)				
Dimension(mm)	Customised				
Weight (Kg) Approx.	16.5	17.5	21.5	25	29.5
Power Connector	As per Requirement				