



Lithium Battery

Arenq Series



EV Battery



E-Scooter Battery

The ARENQ Series, developed by Sunlit Power Pvt. Ltd., features advanced Lithium Iron Phosphate (LiFePO_4) 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.





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	LiFePO ₄				
Communication	RS485, can bluetooth optional				

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)	2.8				
Cell Charging Protection Level (V)	3.65				
Balancing Current (mA)	80-120 mA				
Cycle Life	6000+				
DOD Level	80%				

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				