



Lithium Battery

Arenq Series



UPS Battery



UPS Battery

The ARENQ Series, developed by Sunlit Power Pvt. Ltd., is a cutting-edge Lithium Iron Phosphate (LiFePO₄) battery system, specially engineered for industrial backup power applications. Designed for superior performance, reliability, and safety, it provides a robust and long-lasting energy storage solution that ensures seamless operation during power outages in mission-critical industrial environments.



Built-in advanced Battery Management System (BMS)



Lightweight and compact design for easy installation



Protection against overcharge, deep discharge, overcurrent, short circuit and overtemperature



Wide operating temperature range for harsh industrial environments



High energy efficiency with low self-discharge rate



Eco-friendly and recyclable — free from toxic heavy metals



Fast charging capability for reduced downtime



Modular and scalable for flexible backup configurations



Reliable power delivery for mission-critical industrial load



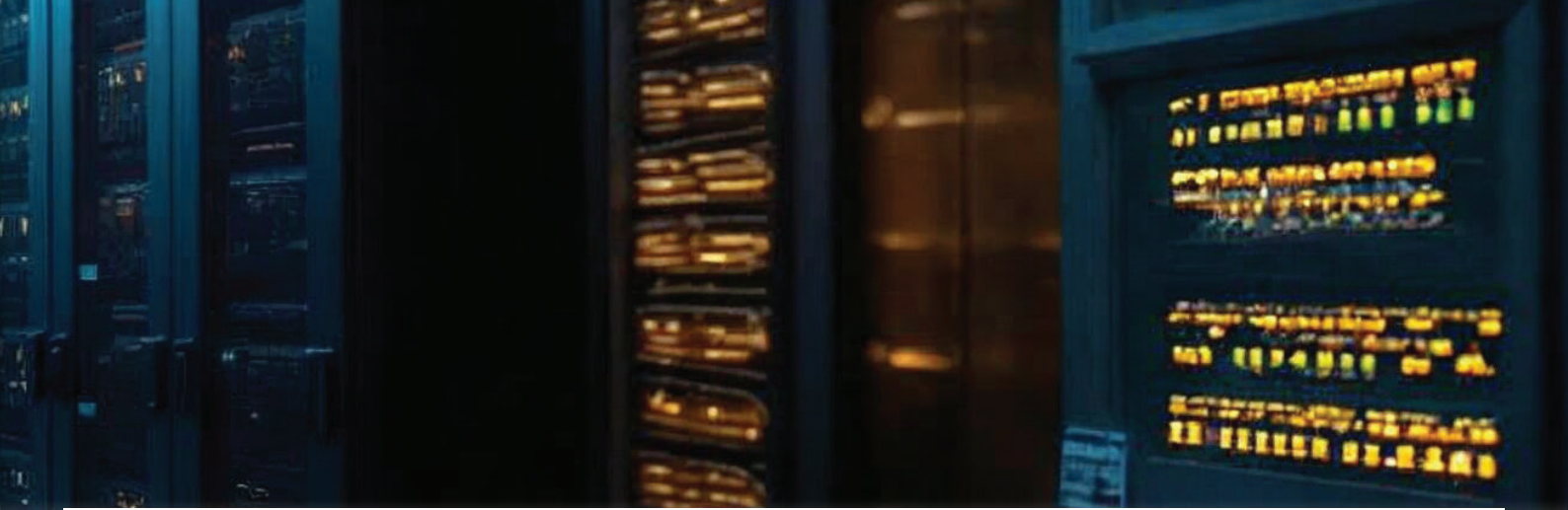
Maintenance-free operation no acid, no corrosion



Optional Display/RS485/CanBus for real-time battery



The ARENQ Industrial UPS series range also includes system from 12V to 1000V.



General Characteristics

MODEL	ARENQLFP 179.2V-100	ARENQLFP 240-200	ARENQLFP 326.4-50	ARENQLFP 380.8-100	ARENQLFP 480-200
Power(W)	17920	48000	16320	38080	96000
Nominal Voltage(V)	179.2	240	326.4	380.8	480
Capacity (AH)	100	200	50	100	200
No of Cell in Series	56	75	102	119	150
No of Cell in Parallel	1	1	1	1	1
Total No of Cell	56	75	102	119	150
Cell Type	Prismatic				
Chemistry	LiFePO ₄				
Communication	RS485, can bluetooth optional				

Electrical Characteristics

Maximum Cut-Off Voltage (V)	204.4	273.75	372.3	434.35	547.5
Minimum Cut-Off Voltage (V)	156.8	210	285.6	333.2	420
Charging Voltage(V)	204.4	273.75	372.3	434.35	547.5
Charging Current Range(A)	50	100	25	50	100
Discharging Current Range (A)	100	200	50	100	200
Cell Discharging Protection Level (V)	2.8				
Cell Charging Protection Level (V)	3.65				
Balancing Current (mA)	200 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.	350	420	500	600	1200
Power Connector	As per Requirement				