



Arenq Solar Series

Lithium LiFePO4 Battery

*Solar Street
Light Batteries*

The Arenq Series battery, developed by Sunlit Power Pvt. Ltd., features state-of-the-art Lithium Iron Phosphate (LiFePO₄) batteries designed specifically for solar Street Light and energy solutions. These batteries offer a high-performance, reliable, and long-lasting energy storage system for residential, commercial, and industrial solar applications.



**Highly
Durable**



**Fast Charging
& High-power Output**



Light Weight



**Longevity & Low
maintenance**

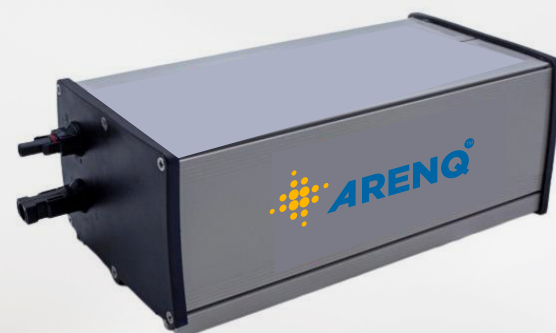


**Over Charging &
Temperature
Protection.**



Eco-Friendly

The Arenq Solar Street light Battery series range also includes system from 12V to 24V.



General Characteristics

MODEL	ARENQLFP 12.8 -24	ARENQLFP 12.8-48	ARENQLFP 12.8-78	ARENQLFP 25.6-54	ARENQLFP 25.6-72
Power(W)	307.2	614.4	998.4	1382.4	1843.2
Nominal Voltage(V)	12.8			25.6	
Capacity (AH)	24	48	78	54	72
No of Cell in Series	4			8	
No of Cell in Parallel	4	8	13	9	12
Total No of Cell	16	32	52	72	96
Cell Type	cylindrical				
Chemistry	LFP				

Electrical Characteristics

Maximum Cut-Off Voltage (V)	14.4			28.8	
Minimum Cut-Off Voltage (V)	10			20	
Charging Voltage(V)	14.4			28.8	
Charging Current Range(A)	0 to 12A	0 to 24 A	0 to 24A	0 to 20A	0 to 20A
Discharging Current Range (A)	0 to 20A	0 to 30A	0 to 30A	0 to 20A	0 to 20A
Cell Discharging Protection Level (V)	2.5				
Cell Charging Protection Level (V)	3.6				
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.	3.5 kg	7.5 kg	12 kg	16 kg	24 kg
Power Connector	As per Requirement				