



Lithium Battery

Arenq Series



Cranking Battery



Cranking Battery

The ARENQ Series from Sunlit Power features advanced Lithium Iron Phosphate (LiFePO₄) and Lithium Titanium Oxide (LTO) batteries, specifically engineered for cranking and engine starting applications. These batteries deliver high burst power, instant voltage response, and exceptional safety, making them ideal for starting engines in automotive, two-wheelers, and industrial equipment.



Impact- resistant & waterproof
Casing -IP67 or higher
recommended.



Vibration
Resistance



High Discharge
capability



Light
Weight

The ARENQ Cranking Battery series range also includes system from 12V to 24V.





General Characteristics

MODEL	ARENQLFP 12.8-100	ARENQLFP 12.8-200	ARENQLFP 25.6-100	ARENQLFP 25.6-400	ARENQLTO 24-280
Power(W)	1280	2560	2560	10240	6720
Nominal Voltage(V)	12.8	12.8	25.6		24
Capacity (AH)	100	200	100	400	280
No of Cell in Series	4		8		10
No of Cell in Parallel	1	1/2	1	2/4	7
Total No of Cell	4	4/8	8	16/32	70
Cell Type	Prismatic				Cylindrical
Chemistry	LFP				LTO

Electrical Characteristics

Maximum Cut-Off Voltage (V)	14.6		29.2		28
Minimum Cut-Off Voltage (V)	11.2		22.4		18
Charging Voltage(V)	14.6		29.2		28
Charging Current Range(A)	50	100	50	100	100
Discharging Current Range (A)	100	200	100	400	280/300
Cell Discharging Protection Level (V)	2.8				1.8
Cell Charging Protection Level (V)	3.65				2.8
Balancing Current (mA)	80 - 120 mA				
Cycle Life	3000+				10000+
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	32	32	128	98
Power Connector	As per Requirement				