Energy Storage Systems

Inverter + Lithium LiFePO4 Battery

Home Inverter Battery

Arenq Inverter Battery Series

The Arenq Series from Sunlit Power features advanced Lithium Iron Phosphate (LiFePO₄) battery technology, specifically engineered for home and residential inverter applications. These batteries offer reliable backup power, fast charging, and long cycle life, making them ideal for maintaining uninterrupted power supply during outages. Designed with safety, efficiency, and durability in mind, Arenq batteries ensure stable performance, pure sine wave compatibility, and maintenance-free operation, perfectly suited for homes, apartments, and small offices.

High Discharge capability

Fast Charging

Optional Display/ RS485/CanBus for real-time battery

Compatible with leading inverter brands

Bluetooth Connectivity for Mobile Application

Eco-Friendly no acid, no fumes, no pollution.

The Arenq Inverter Battery series range also includes system from 12V-1000V.

General Characteristics						
MODEL	**ARENQLFP 12.8-100**	**ARENQLFP 12.8-200**	**ARENQLFP 25.6-100**	**ARENQLFP 48-100**	**ARENQLFP 73.6-100**	**ARENQLFP 96-100**
Power(W)	1280	2560	2560	4800	7360	9600
Nominal Voltage(V)	12.8	12.8	25.6	48	73.6	96
Capacity (AH)	100	200	100	100	100	100
No of Cell in Series	4		8	15	23	30
No of Cell in Parallel	1	1	1	1	1	1
Total No of Cell	4	4	8	15	23	30
Cell Type	Prismatic					
Chemistry	LFP					
Electrical Characteristics						
Maximum Cut-Off Voltage (V)	14.6		29.2	54.75	83.95	109.5
Minimum Cut-Off Voltage (V)	11.2		22.4	42	64.4	84
Charging Voltage(V)	14.6		29.2	54.75	83.95	109.5
Charging Current Range(A)	50	50	50	50	50	50
Discharging Current Range (A)	100	100	100	100	100	100
Cell Discharging Protection Level (V)	2.8					
Cell Charging Protection Level (V)	3.65					
Balancing Current (mA)	200					
Cycle Life	2500-3000					
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	30	30	52	88	98
Power Connector	As per Requirement					