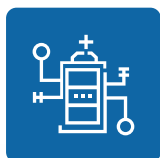




Lithium Battery

Arenq Series



Energy Storage System



Home Inverter Battery

The ARENQ Series from Sunlit Power features advanced Lithium Iron Phosphate (LiFePO_4) 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.



Long Life-6000+ cycles, lasting over 10-15 years



Fast Charging



Compatible with leading inverter brands



Bluetooth Connectivity for Mobile Application



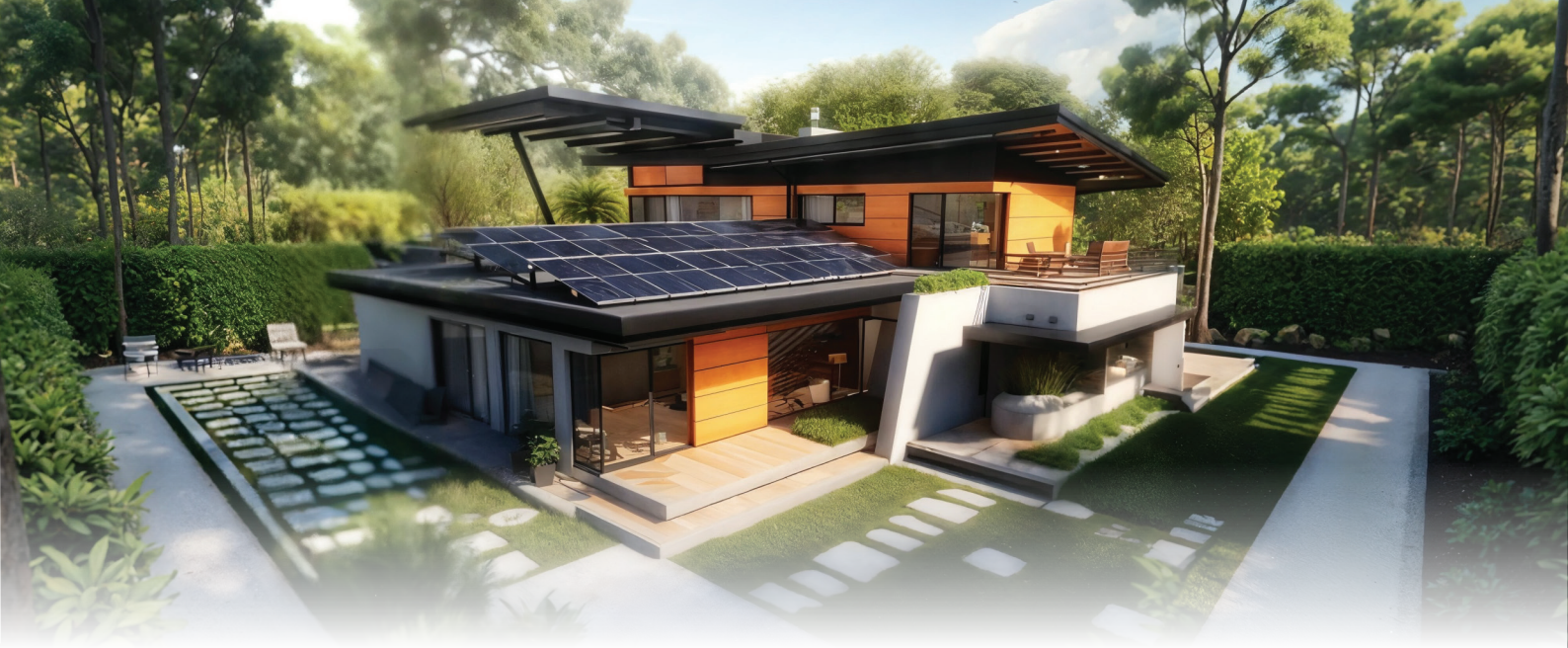
Optional Display/RS485/CanBus for real-time battery



Eco-Friendly
No Acid, No Fumes,
No Pollution.

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





General Characteristics

MODEL	AQ12ES100	AQ12ES150	AQ12ES200	AQ25ES100	AQ48ES100
Power(W)	1280	1920	2560	2560	4800
Nominal Voltage(V)	12.8			25.6	48
Capacity (AH)	100	150	200	100	100
No of Cell in Series	4			8	15
No of Cell in Parallel	1	1	1/2	1	1
Total No of Cell	4	4	4/8	8	15
Cell Type	Prismatic				
Chemistry	LiFePO ₄				
Communication	RS485, can bluetooth optional				

Electrical Characteristics

Maximum Cut-Off Voltage (V)	14.6			29.2	54.75
Minimum Cut-Off Voltage (V)	11.2			22.4	42
Charging Voltage(V)	14.6			29.2	54.75
Charging Current Range(A)	50	50	50	50	50
Discharging Current Range (A)	100	100	100	100	100
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	25	30	30	52
Power Connector	As per Requirement				