

Lithium LiFePO₄ Battery



**Agricultural
Battery**

Arenq Spray Pump Series

The Arenq Series battery, developed by Sunlit Power Pvt. Ltd., features state-of-the-art Lithium Iron Phosphate (LiFePO₄) technology, specially designed for agricultural spray pump applications. These batteries provide a high-performance, reliable, and long-lasting energy storage solution, ensuring efficient and uninterrupted operation in farming and fieldwork conditions.



**Long Cycle Life: 2000–3000
charge-discharge cycles**



**Fast Charging: Fully
charged within 2–3 hours**



**Built-In BMS: Overcharge,
overdischarge & short
circuit protection**



**Compact & Lightweight:
Easy to carry on backpack sprayers**



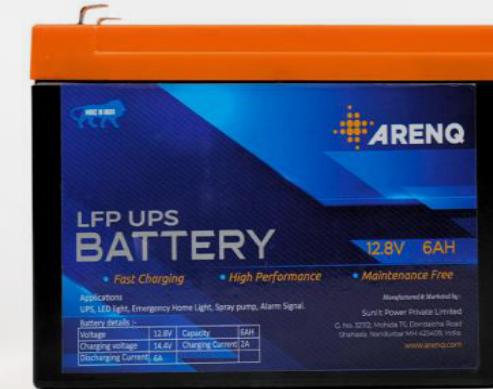
**Eco-Friendly: RoHS compliant
and non-toxic chemistry**



**No Maintenance: No acid,
no topping-up required**



The Arenq Agricultural battery range also includes system from 12V to 24V.



General Characteristics		
MODEL	ARENQLFP 12.8-6	ARENQLFP 12.8-12
Power(W)	76.8	153.6
Nominal Voltage(V)	12.8	
Capacity (AH)	6	12
No of Cell in Series	4	
No of Cell in Parallel	1	2
Total No of Cell	4	8
Cell Type	Prismatic	
Chemistry	LFP	
Electrical Characteristics		
Maximum Cut-Off Voltage (V)	14.4	
Minimum Cut-Off Voltage (V)	10	
Charging Voltage(V)	14.4	
Charging Current Range(A)	0 to 3A	0 to 6A
Discharging Current Range (A)	0 to 10A	0 to 10A
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.	1.5 Kg	2 Kg
Power Connector	As per Requirement	