



**Telecom
Series**

Lithium LiFePO₄ Battery

**Telecom
Batteries**

Arenq Telecom Batteries Series

Arenq, a trusted brand by Sunlit Power Pvt. Ltd., offers cutting-edge Lithium Iron Phosphate (LiFePO₄) batteries designed specifically for telecom tower and BTS (Base Transceiver Station) applications. These batteries are engineered to deliver uninterrupted backup power, especially in off-grid, remote, or high-temperature sites. Certified by BSNL, tested in NABL-accredited labs. Arenq batteries are approved for use in mission-critical telecom infrastructure across India.

BSNL Certified Product
Approved and deployed in BSNL telecom sites,
meeting national telecom-grade specifications.

Reliable Long Backup
During grid or generator failure.

Fast Recharge Capability
Recharges 3x faster than lead-acid
batteries—ensures readiness for the
next outage.

Performs in Harsh Conditions
Rugged operation in -10°C to +60°C
with high thermal and mechanical
stability.

100% Maintenance-Free
No spillage, corrosion, or water top-up
required—ideal for remote or
unmanned sites.

Smart BMS with Remote Monitoring
Monitors battery health, temperature,
SOC, and communicates via
RS485 / CAN with
telecom systems



The Arenq Telecom Battery series range also includes 48 system from 100Ah to 2000Ah



General Characteristics

MODEL	ARENQLFP 48-100	ARENQLFP 48-200	ARENQLFP 48-800
Power(W)	4800	9600	30600
Nominal Voltage(V)	48		
Capacity (AH)	100	200	800
No of Cell in Series	15	15	15
No of Cell in Parallel	1	1	1
Total No of Cell	8	10	15
Cell Type	Prismatic		
Chemistry	LFP		

Electrical Characteristics

Maximum Cut-Off Voltage (V)	54.75		
Minimum Cut-Off Voltage (V)	42		
Charging Voltage(V)	54.75		
Charging Current Range(A)	50	100	300
Discharging Current Range (A)	100	200	600
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.	50	95	850
Power Connector	As per Requirement		