



Lithium Battery

Arenq Series



**MHE
Battery**



**Traction
Battery**

The ARENQ Series, developed by Sunlit Power Pvt. Ltd., features cutting-edge Lithium Iron Phosphate (LiFePO₄) battery technology, meticulously engineered for Material Handling Equipment (MHE) such as forklifts, pallet trucks, stackers, and reach trucks. Built to deliver high performance, long cycle life, and enhanced safety, the ARENQ Series provides a smart and sustainable power solution for operations that demand reliability and efficiency.



Enhanced workplace
safety & sustainability



Improved efficiency
and runtime



Low
Weight



Consistent power
delivery across charge
levels



Maintenance
Free Operation

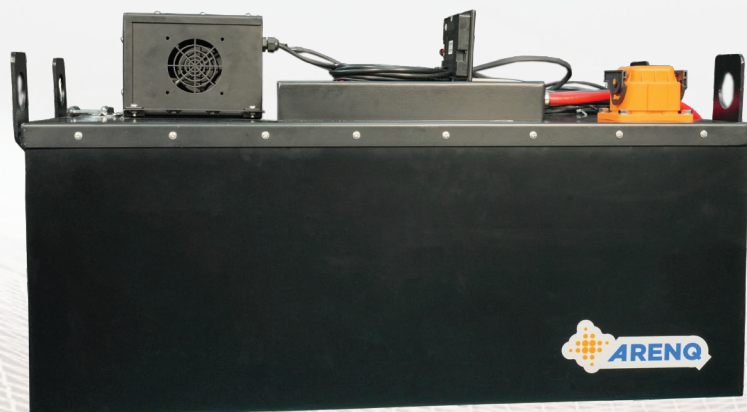


Fast
Charging



Bluetooth
Connectivity

The ARENQ Traction series range also includes system from 24V to 80V.





General Characteristics

MODEL	ARENQLFP 25.6-100	ARENQLFP 25.6-200	ARENQLFP 48-200	ARENQLFP 48-300	ARENQLFP 80-400
Power(W)	2560	5120	9600	14400	32000
Nominal Voltage(V)	25.6		48		80
Capacity (AH)	100	200	200	300	400
No of Cell in Series	8		15		25
No of Cell in Parallel	1	1/2	1/2	2/3	2/4
Total No of Cell	8	8/16	15/30	30/45	50/100
Cell Type	Prismatic				
Chemistry	LiFePO ₄				
Communication	RS485, can bluetooth optional				

Electrical Characteristics

Maximum Cut-Off Voltage (V)	29.2		54.75		91.25
Minimum Cut-Off Voltage (V)	22.4		42		70
Charging Voltage(V)	29.2		54.75		91.25
Charging Current Range(A)	0 to 50A	0 to 100 A	0 to 100A	0 to 150A	0 to 200A
Discharging Current Range (A)	0 to 100A	0 to 200A	0 to 200A	0 to 300A	0 to 400A
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.	40Kg	80Kg	120Kg	160Kg	230Kg
Power Connector	As per Requirement				