

MHE  
Battery

# Lithium LiFePO4 Battery

## Arenq Traction Series

Traction Battery

The Arenq Series, developed by Sunlit Power Pvt. Ltd., features cutting-edge Lithium Iron Phosphate (LiFePO<sub>4</sub>) 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 Arneq 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

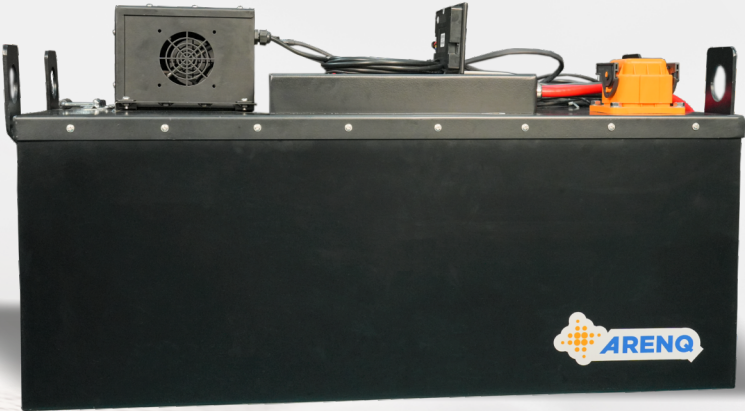


Fast  
Charging



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	16/8	15/30	30/45	50/100
Cell Type	Prismatic				
Chemistry	LFP				
Electrical Characteristics					
Maximum Cut-Off Voltage (V)	29.2		54.75		91.25
Minimum Cut-Off Voltage (V)	20.8		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)	200				
Cycle Life	2000 - 2500				
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.	40Kg	80Kg	120Kg	160Kg	230Kg
Power Connector	As per Requirement				