

Tyon+F1

Wheel-Mounted Lithium Iron Phosphate Battery



Product Introduction

This product adopts a wheel-mounted design, featuring exquisite appearance and convenient mobility; it supports master-slave inverter communication protocols in the market and direct communication, adopts full-directional, multi-level battery protection, and multi-fault isolation protection measures to ensure the safe operation of the system. It is widely used for small commercial and household energy storage.

Performance Features



Wheel-mounted design,
easy to move



Plug-in wiring,
safe and reliable



Standard LCD display,
real-time understanding of battery status,
direct inverter communication protocol



Environmentally friendly and
pollution-free materials, non-heavy
metal, green and environmentally friendly



Standard cyclic life
exceeds 5000 times

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Product Specifications >>

Model	Tyon+F1					
	48-280L		48-300L	51.2-280L		51.2-300L
Nominal Voltage (V)	48			51.2		
Battery Capacity (Ah)	280	300	314	280	300	314
Nominal Capacity (Ah)	280		300	280		300
Operating Voltage Range (V)	42~54.75			44.8~58.4		
Recommended Charge Voltage (V)	51.75			55.2		
Recommended Discharge Cut-off Voltage (V)	45			48		
Standard Charge / Discharge Current (A)	100	100		100	100	
Max. Continuous Charge / Discharge Current (A)	150	150		150	150	
Operating Temperature (°C)	-30 ~ 60 (Recommended 10 ~ 35)					
Permissible Humidity (%RH)	< 85					
Storage Temperature (°C)	-20 ~ 65 (Recommended 10 ~ 35)					
Charging Temperature (°C)	0 ~ 50					
Discharging Temperature (°C)	-10 ~ 60					
Protection Rating	IP20					
Cooling Mode	Natural Cooling					
Max. Dimensions (D*W*H) mm	248*680*880			248*680*880		
Weight (kg)	136.5	144	140.5	139	147	143.5

Note: The above data are for reference only. If there are any changes, no further notice will be given.
Special customization requirements require engineering communication.



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