



BATTERY SYSTEMS 2025

Specifications WW-928251

User Information

Lithium battery	12V 1700 Wh	12V 1700 Wh cranking	12V 3400 Wh	24V 3400 Wh	24V 6800 Wh	48V 3400 Wh	48V 6800 Wh	48V 13600 Wh
Ambient temperature discharging	-18°C to 55°C							
Ambient temperature charging	2°C to 45°C							
Ambient temperature storage	-25°C to 55°C							
Typical storage time at 50% SoC	40 weeks							
Max connections	Up to 1S8P	Up to 1S8P	Up to 1S8P	Up to 2S8P	Up to 2S8P	Up to 1S8P	Up to 1S8P	Up to 1S8P
Protection class (excluding salt water)	IP67							

Battery Composition

Lithium battery	12V 1700 Wh	12V 1700 Wh cranking	12V 3400 Wh	24V 3400 Wh	24V 6800 Wh	48V 3400 Wh	48V 6800 Wh	48V 13600 Wh
Cell type	Cylindrical							
Chemistry	LiFePo4							
Capacity per cell	6.05 Ah							
Nominal voltage per cell	3,2 V							
Cell configuration	4s22p	4s22p	4s44p	8s22p	8s44p	16s11p	16s22p	16s44p

Battery Management and Safety								
Lithium battery	12V 1700 Wh	12V 1700 Wh cranking	12V 3400 Wh	24V 3400 Wh	24V 6800 Wh	48V 3400 Wh	48V 6800 Wh	48V 13600 Wh
On-off switch					Yes			
Terminals	M8 screw F	M8 screw F	M8 screw F	M8 screw F	M8 screw F	Flexconnect	Flexconnect	Flexconnect
Passive cell balancing					Yes			
High current and short circuit protection					Yes, up to 1500 A			
Protection against deep discharge					Yes			
Protection against polarity reversal					Yes			
Individual cell string voltage monitoring					Yes			
Safety vent for each cell					Yes			
Cell temperature monitoring					Yes			
Temperature monitoring of battery electronics					Yes			
Low temperature disconnect			Yes, -18°C for discharge (-16°C reconnect), 2°C for charge (4°C reconnect)					
High temperature disconnect			Yes, 60 °C for discharge (58 °C reconnect), 53 °C for charge (51 °C reconnect)					
Shipping classification					UN3480, CLASS 9			
Battery certifications/ compliance					CE, UN38.3, RoHS			
Battery cells certifications/ compliance			UL, CE, IEC62133, IEC62619, EC61960, BIS, PSE, RoHS, UN38.3					

Lifetime Data								
Lithium battery	12V 1700 Wh	12V 1700 Wh cranking	12V 3400 Wh	24V 3400 Wh	24V 6800 Wh	48V 3400 Wh	48V 6800 Wh	48V 13600 Wh
Cycle life	>4000 cycles with 80% discharge depth at 25 °C to capacity loss of 20% at 0.5C							
Average annual capacity loss	Approximately 2% at 25°C ambient temperature							
Ideal storage temperature	10°C up to 30°C							

Get in touch.



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Dealer: