

Product Features

- Serial communication (CANBUS) compatible with leading inverters.
- Local on-demand monitoring of battery performance variables (voltage, temperature, SoC etc.) via on-board digital display & UI.
- Integrated impulse relay.
- Yttrium-doped cathode for increased fade resilience at high temperatures.
- Includes a 5-year battery warranty & lifetime warranty on the enclosure.



Technical Specifications

GENERAL INFORMATION	
Battery Type	LiFeYPO4 (Lithium Iron Yttrium Phosphate)
Usable Capacity	2000 Wh @C10, 25°C
Nominal Voltage	13 VDC
Operating Voltage Range	11.6 VDC – 14.1 VDC
Operating Temperature Range	-20°C – 65°C
Cycle Life @ 100% DoD	> 3600 cycles (2000 Wh @C10, 25°C)
Cycle Life @ 80% DoD	> 5000 cycles (1600 Wh @C10, 25°C)
Cycle Life @ 70% DoD	> 7000 cycles (1400 Wh @C10, 25°C)
Dimensions (mm)	410 x 290 x 300mm (W x D x H)
Weight (kg)	25 kg
Warranty Period	5 Years

CHARGE / DISCHARGE	
Bulk Voltage	14.1 VDC
Discharge Voltage (min.)	11.6 V
Charge Current (max.)	150 A continuous
Discharge Current (max.)	150 A continuous 185 A burst (1 minute) 320 A peak (2 seconds)
Self-discharge Rate	< 2% per month
Charge & Discharge Efficiency	96% @C2 ; 98% @C10

PROTECTION	
Impulse Relay	150 A
Over-current Protection	320 A
Over-voltage Cut-out	15.6 V (3.90 V on any cell)
Under-voltage Cut-out	11.4 V (2.85 V on any cell)