

Fi1.5 48 V 1.5 KWH

VANGUARD



Model No.

Nominal Voltage per IEC 61960
Charge Voltage per IEC 61960
Charge Time
Discharge Cut-off Voltage
Discharge Current (Nominal)
Discharge Current (3sec surge)
Nominal Capacity / Energy per IEC 61960
Communication Protocols
Discharge Temperature
Charge Temperature
Marketed Durability

80113908

51.4 V
58.8 V
75 min (1425 W charger)
35.0 V
100 A
180 A
28.4 Ah / 1.5 kWh
CAN J1939 (29-bit, 500 kbps)
-40°C to +60°C
0°C to +45°C
up to 1000 cycles (to 80%
init. capacity)
11.6 kg
131 x 256 x 371 mm

Weight

Dimensions (LxWxH)

FEATURES

- ✓ 1 large 21700 CMA (14S7P)
- ✓ Battery Management System (BMS)
- ✓ Internal FETs that control current flow in and out
- ✓ Either CANbus J1939 communication or simplified HPR/LPR signals (to operate a single-pack applications without a complex controller)
- ✓ Plug-in ready charging system
- ✓ Ingress protection rating IP44
- ✓ Aluminum diecast enclosure
- ✓ Up to 10 batteries parallel or sequence capability (coming in 2024)
- ✓ No scheduled maintenance needs
- ✓ 98 cells (21700) inside



37.1cm

25.6cm

13.1cm

