

# Fi5.0 48 V 5 KWH

VANGUARD



Specifications are subject to change based on development.

<b>Model No.</b>	<b>80112254</b>
Nominal Voltage per IEC 61960	51.6 V
Charge Voltage per IEC 61960	58.8 V
Charge Time (1050 W / 1425 W / 3000 W charger)	5.5 / 4 / 2.5 hours
Discharge Cut-off Voltage	35.0 V
Discharge Current (Nominal)	100 A
Discharge Current (Max.Continuous)	200 A
Discharge Current (10 sec surge)	300 A
Nominal Capacity / Energy per IEC 61960	98.7 Ah / 5.1 kWh
Communication Protocols	CAN J1939 (29-bit, 500 kbps)
Discharge Temperature	-20°C to +60°C
Charge Temperature	0°C to +45°C
Marketed Durability	up to 2000 cycles (to 80% init. capacity)
Weight	38.6 Kg
Dimensions (LxWxH)	597 x 266 x 362 mm

- FEATURES**
- ✓ 14 standard 21700 CMAs (1S20P) in series
  - ✓ Battery Management System (BMS)
  - ✓ CANbus J1939 communication / dual optional (CAN Open)
  - ✓ Plug-in ready charging system
  - ✓ Ingress protection rating IP66 and pressure washer
  - ✓ Aluminum diecast enclosure
  - ✓ Up to 10 batteries parallel capability
  - ✓ No scheduled maintenance needs
  - ✓ 280 cells (21700) inside

