

## Si1.5 48 V 1.5 KWH



**User-swappable  
between applications.**

**Works across multiple  
products and brands.**

**Quick, tool-less locking  
and unlocking.**



# 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

### 80105739

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)  
11.8 kg  
136 x 258 x 425 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

