



SAME BATTERY. MULTIPLE APPLICATIONS.

Vanguard™ 48V 1.5kWh* Commercial Battery Pack – Si1.5

INTERCHANGEABLE

- > Ability to swap out from application to application on the jobsite to reduce downtime.

UNIVERSAL

- > Works across a broad spectrum of brands and equipment in a wide range of markets to provide flexibility and cost efficiencies.
- > Multiple mounting configurations.

INCREASED UPTIME

- > Up to 1000-cycle life to 80% initial capacity.

OPERATIONAL CONFIDENCE

- > Integrated Battery Management System constantly monitors and measures the pack's voltage and temperature to ensure safe and efficient operations.

FLEXIBLE

- > The CANbus J1939 protocol allows OEMs to quickly integrate battery systems into an application's CANbus network.

CONNECTED TROUBLESHOOTING

- > Easy diagnostics and monitoring due to CANbus and Bluetooth communications.

ASSEMBLED IN THE U.S.A.

- > Designed, engineered, and assembled in the U.S.A. at Vanguard's advanced battery manufacturing facility with automation capabilities that improve product quality and safety.



GETTING THE JOB DONE

BATTERY TECHNICAL SPECIFICATIONS



SPECIFICATION	48V 1.5 kWh*
NOMINAL VOLTAGE	51.4 V
DISCHARGE CUTOFF VOLTAGE	35.0 V
DISCHARGE CURRENT, NOMINAL	29 A
DISCHARGE CURRENT, MAX. CONTINUOUS	100 A
DISCHARGE CURRENT, 3S SURGE	180 A
NOMINAL CAPACITY (PER IEC61960)	28.4Ah
NOMINAL ENERGY (PER IEC61960)	1.5 kWh
DISCHARGE TEMPERATURE RANGE	−4°F to 140°F / −20°C to +60°C
PARALLEL CAPABLE	Yes
MARKETED DURABILITY	Up to 1,000 cycles to 80% initial capacity

CHARGING

CHARGE VOLTAGE (PER IEC61960)	58.8 V
CHARGE TEMPERATURE RANGE	32°F to 113°F / 0°C to 45°C
CHARGE TIME WITH 1425W VANGUARD CHARGER ⁴	75 minutes

DIMENSIONS/WEIGHT

PACK FRAME DIMENSIONS (L×W×H)	10.2 x 5.4 x 16.7 in 258 x 136 x 425 mm
PACK WEIGHT	26 lbs / 11,8 kg

VANGUARD™

BRIGGS & STRATTON

Milwaukee, WI 53201-0702 USA
(414) 259-5333

Wolleraustrasse 41
8807 Freienbach, Switzerland
+41 (0)55 415 1200

Copyright ©2025. All rights reserved

WWW.VANGUARDPOWER.COM

* Total energy measured using a 0.2C discharge per IEC 61960-3:2017. ¹ See vanguardpower.com for warranty details. ² Zero emissions apply only to the battery pack during operation. ³ The battery pack is silent, however the application itself may make noise. ⁴ When the battery is <30°C at the start of charging.