

VANGUARD BATTERY PACKS



Vanguard® Commercial Lithium-Ion Battery Packs provide unmatched power, reduced maintenance and lower total cost of ownership. Providing a total solution in terms of battery, BMS and charger together with application engineering support to ensure seamless integration into your equipment.

RELIABLE POWER. Wrapped in a sealed enclosure, Vanguard batteries are built to withstand vibration, dust, and dirt, and to be pressure-washed once the job is done.

SAFETY BY DESIGN. The integrated battery management system (BMS) is responsible for the remarkable safety of Vanguard batteries ensuring they stay in safe operation at every moment.

EASY INTEGRATION. The battery modular design and use of standardized cylindrical cell formats allow Vanguard to keep the same battery pack dimensions even if there will be new technology available in the future.

AS GOOD AS ITS WORST CELL. Works with Tier-1 cell manufacturers and uses their top-quality cells specified with very tight tolerances. Then we make them even tighter.

COLD WEATHER CHARGING. Vanguard batteries are specifically designed for cold weather charging from -10°C. And even at freezing temperatures when a Vanguard battery never warms up above 0°C, it still will be able to charge up to 60% SOC.

SUPPORT. From pre-production power integration and distribution to infield service and support.

Model	Voltage	Discharge Current	Dimensions (mm)
5kWh 48V Tall	48 V	100 A	597 x 266 x 362
7kWh 48V Tall	48 V	134 A	597 x 266 x 362
5kWh 48V Long	48 V	100 A	876 x 264 x 284
7kWh 48V Long	48 V	134 A	876 x 264 x 284
3.5kWh 48V Compact	48 V	67 A	505 x 266 x 292
10kWh 48V Rollcage	48 V	100 A	624 x 439 x 366

Model	Voltage range (rated)	Voltage range (operating)
1050W single-phase charger	100 - 240 V (AC)	85 - 265 V (AC)



Battery



Cabling & Connectors



Battery Management System (BMS)



Charger



Programing of Charger

Adigo offers one stop shopping for the most cost efficient battery solution