

VANGUARD®

Leading a Revolution in Power.

Lithium-Ion Batteries

Make a power statement with Vanguard® Lithium-Ion Batteries — the only fully integrated, complete battery solution on the market. Trust the power application experts to lead you into the next generation of power solutions.

Efficient

- > Packs can be combined in parallel for additional capacity

Increased Uptime

- > Up to 2000-cycle life

Operational Confidence

- > Integrated Battery Management System

Flexibility

- > 2 customizable CANbus networks allowing for integration with legacy systems

Easy Troubleshooting

- > CANbus diagnostics opportunities

Application Examples



Aerial Man Lift



Floor Care



Fork Lift



Lawn and Garden



Construction Vehicle



Utility Vehicle



BRIGGS & STRATTON
CORPORATION

BATTERY TECHNICAL SPECIFICATIONS



TECHNICAL SPECS

	48v 5kWh Battery	48v 10kWh Battery
NOMINAL VOLTAGE	50.4V	50.4V
TOP VOLTAGE	57.4V	57.4V
CUTOFF VOLTAGE	37.5V	37.5V
CAPACITY AT MAX DISCHARGE (Ah/kWh)	90Ah / 4.5kWh	180Ah / 9.0kWh
NOMINAL CAPACITY (Ah/kWh)	100Ah / 5kWh	200Ah / 10kWh
COMMUNICATION PROTOCOLS	CAN J1939 (29-bit) Plus flexible secondary CAN interface	
DISCHARGE TEMPERATURE RANGE	-20° – 60°C	-20° – 60°C
STORAGE TEMPERATURE RANGE	-40° – 60°C	-40° – 60°C
CHARGING TEMPERATURE RANGE	-20° – 40°C	-20° – 40°C
PARALLEL CAPABLE	Yes	Yes
DURABILITY HOURS/CYCLES	Up to 2000	Up to 2000
DIMENSIONS	56cm x 26cm x 36cm	56cm x 47cm x 36cm
WEIGHT	45kg	90kg
IPX RATING	IP66 + Pressure Wash	IP66 + Pressure Wash

CHARGING SYSTEM

OUTPUT POWER	1050W	1050W
INPUT POWER	120V, 60Hz / 220, 50Hz	120V, 60Hz / 220, 50Hz
REQUIRED CHARGE TIME	6 hours	12 Hours
ON-BOARD OR STAND ALONE	Either	Either

COMPLIANCE

Canadian Compliant, FCC,
Hazardous Shipping (UN 38.3), C.E., UL, IEC

VANGUARD COMMERCIAL POWER

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VANGUARD

¹See vanguardpower.com/service-support/warranty for warranty details.