

BN52V-100-5.2k BP

RacPower® Range



Ultra-reliable Lithium Iron Phosphate Technology.

High Performance:

- Power output = 5.2kW (continuous)
- Fully rechargeable in 2 hours.

Robust & Durable:

- Can be discharged to 100% DoD.
- Performance cycle life > 4000 cycles.

Inverter compatibility:

- Serial communication (CAN/RS485) compatible with leading inverter manufacturers.
- Compatible via voltage-based setup with all other pure sine wave inverters.

5 year product warranty.



GENERAL SPECIFICATIONS	
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	51.2V
Ah Rating	100Ah @C3, 25°C
Installed Capacity @Vnom	5 120Wh
Internal Resistance	≤ 50mΩ @1kHz AC
Serial Communication	CAN & RS485
VOLTAGE	
Operating Voltage Range	40.0V ~ 57.6V
Bulk Voltage (max.)	57.6V ± 0.3V
Float Voltage (recommended)	54.4V ~ 55.2 V
Low-Voltage (min.)	40.0V
CURRENT	
Charge Current (max.)	50A continuous ≤ 30A recommended
Discharge Current (max.)	100A for 30 mins. ≤ 70A recommended
Self-discharge Rate	Residual capacity: ≤ 3% /month ≤ 15% /year Recover capacity: ≤ 1.5% /month ≤ 8% /year
ENVIRONMENTAL REQUIREMENTS	
Operating Temperature Range	@Charge: 0°C ~ +50°C @Discharge: -10°C ~ +50°C
Recommended Operating Environment	Temp. range: +15 ~ +35°C Humidity: 5 ~ 75%RH
Storage Environment (stored ≤ 1 month)	Temp. range: -20 ~ +60°C Humidity: 5 ~ 75%RH
Storage Environment (stored ≥ 3 months)	Temp. range: +10 ~ +45°C Humidity: 5 ~ 75%RH
PHYSICAL ATTRIBUTES	
Dimensions – Main enclosure	446mm x 435mm x 153mm (W x D x H) *
Dimensions – Front plate	481mm x 153mm (W x H)
Net Weight	46.0kg (unboxed, no accessories)

* Depth measurement excludes terminals & handles. Add minimum 40mm to make provision for these.

BLUE NOVA
energy

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If you have any questions contact us at:
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