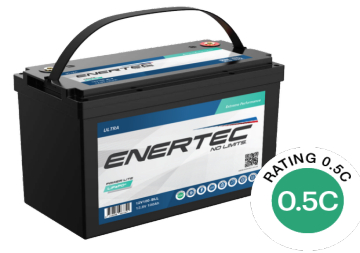


POWER LITE ^{LiFePO₄}

Extreme Performance

Short Code: **12V100-BLL**
12.8V 100Ah



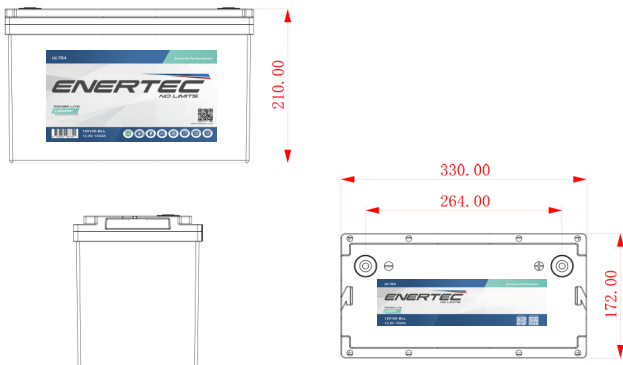
ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	100Ah (0.5C @25°C)
Energy	1280Wh
Recommended Charge Voltage	14.2 - 14.6V
Float Voltage	13.6V
Charge Cut-off Voltage	14.4V
Discharge Cut-off Voltage	11.2V
Rated Charge/Discharge Current	50A / 50A
Max. Charge/Discharge Current	100A / 100A
Cycle life	>3000 times, 0.5C, 80% DOD 25°C
Charge Temperature	0°C ~ 55°C
Discharge Temperature	-20°C ~ 60°C
Storage Temperature	-5°C ~ 35°C

MECHANICAL SPECIFICATIONS

Length	330mm
Width	172mm
Height	215mm
Total Height	215mm
Weight (kgs)	11.5kg's
Terminal Type	M8 *12mm Screw
Cells	Prismatic
Case Material	Black plastic housing
IP Rating	65
Technology	LiFePO4

DRAWINGS



BENEFITS

BLUETOOTH MONITORING

- Live monitoring of performance and state of charge of the battery

POWERFUL

- Up to 100% usable capacity
- Up to 100% Depth of Discharge
- Double the high-current runtime of lead-acid battery
- Up to 98% round-trip efficiency
- Up to 50% more energy efficient than a lead-acid battery
- Up to 1C peak power discharge and charge rate
- Up to 0.5C continuous discharge and charge rate

LONG LIFE

- 10x the life of lead-acid battery (BCI-06)

LIGHT WEIGHT

- Up to 3x lighter than equivalent lead-acid batteries

FAST RECHARGE

- Up to 5x faster charging than new lead-acid batteries
- Up to 10x faster charging than aged lead-acid batteries

INTELLIGENT BMS

- Allows for live monitoring of performance and state of charge of the battery, through the Bluetooth APP

PARALLEL POWER

- Parallel up to maximum of 4 batteries for more capacity
- Enables linear scaling of charge, discharge and peak capacity

RELIABLE AND SAFE

- Sealed Maintenance-free
- UL94 V0 flame retardant case and cover
- IP 65 rated

CERTIFICATION STANDARDS

- UN 38.3

APPLICATIONS

- Marine and Leisure
- Solar, Security, UPS and Standby

KEY ATTRIBUTES & BENEFITS

