ENERTEC NO LIMITS

BLOCK LiFePO4

Extreme Performance

Short Code: S51105-BLB

51.2V 105Ah



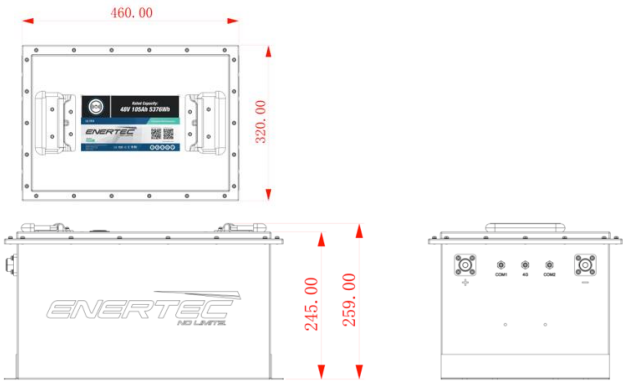
ELECTRICAL SPECIFICATIONS

Nominal Voltage	51.2V
Nominal Capacity	105Ah
Energy	5376Wh
Recommended Charge Voltage	54.7V ~ 56V
Float Voltage	53.6V - 54.0V
Charge Cut-off Voltage	57.6V
Discharge Cut-off Voltage	44.8V
Rated Charge/Discharge Current	50A / 50A
Max. Charge/Discharge Current	105A / 105A
Cycle life	>4000 times, 0.5C, 80% DOD 25℃
Charge Temperature	0℃ ~ 55℃
Discharge Temperature	-20℃ ~ 60℃
Storage Temperature	-5℃ ~ 35℃

MECHANICAL SPECIFICATIONS

Length	460mm
Width	320mm
Height	245mm
Total Height	259mm
Weight (kgs)	45kg's
Terminal Type	M8 *12mm Screw
Cells	Prismatic 4S2P
Case Material	Black fine-grained metal
IP Rating	67
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 1C 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 voltage, current, temperature management & cell balance 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 capaci

RELIABLE AND SAFE

- Sealed Maintenance-free
- UL94 V0 flame retardant case and cover
- IP 67 rated

CERTIFICATION STANDARDS

- UN 38.3

APPLICATIONS

- Industrial
- Golf Carts & Electric Vehicles (EV)

KEY ATTRIBUTES & BENEFITS

