





Owner's Manual

• EPL-100BT-12V-SLIM • EPL-125BT-12V-G2 • EPL-200BT-12V-G2 • EPL-300BT-12V-G2 • EPL-100BT-24V • EPL-150BT-24V-G2 • EPL-100BT-36V

Enerdrive B-TEC Lithium (LiFePO4), Lithium Ion Phosphate Prismatic Cell Battery with Smart Phone Monitoring



For safe and optimum performance, the Enerdrive ePOWER B-TEC LiFePO4 Lithium Ion Phosphate Battery with Smart Phone Monitoring must be used properly. Carefully read and follow all instructions and guidelines in this manual and give special attention to the CAUTION and WARNING statements.

PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCE

Disclaimer

While every precaution has been taken to ensure the accuracy of the contents of this guide, Enerdrive assumes no responsibility for errors or omissions. Note as well that specifications and product functionality may change without notice.

Important

Please be sure to read and save the entire manual before using your Enerdrive ePOWER B-TEC LiFePO4 Lithium Ion Phosphate Battery with Smart Phone Monitoring. Misuse may result in damage to the battery, and/or cause harm or serious injury. Read manual in its entirety before using the unit and save manual for future reference.

Product Number

EPL-100BT-12V-SLIM EPL-125BT-12V-G2 EPL-200BT-12V-G2 EPL-300BT-12V-G2 EPL-100BT-24V EPL-150BT-24V-G2 FPI-100BT-36V

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Section 1 - Installation

Your B-TEC battery must be installed in a dry and cool location.

Supplied battery trays and straps are the preferred mounting method. Ensure that sufficiently rated fasteners are used to hold the tray firmly to the mounting material.

Enerdrive highly recommend the battery is installed in the upright position.

Enerdrive approve installation of B-TEC batteries in accommodation areas of RV's. Temperatures must not exceed the rated operating temperatures therefore natural, or fan forced ventilation maybe required.

There should be 25mm clear space around the B-TEC battery.

Consideration should be taken to not mount the battery near any metallic service lines such as LPG, diesel, or petrol lines. This is to ensure no accidental shorting of the battery terminals occur, especially when fitting or removing the battery.

B-TEC batteries must not be installed -

- In vehicle engine bays or in high heat environments, refer to Section 10 Battery Specifications
- In wet areas such as caravan chassis mounts, open ute trays or boat deck areas.
- Inside compartments dedicated to carrying gas.

Section 2 - Connection

It is recommended that no more than four terminals be connected to a battery terminal, if you do have more than 4 terminals the use of a fuse block and negative busbar are recommended.

Cable terminal should be in the order with heaviest current draw (largest cable) in contact with the battery to light estimated current draw (smallest cable) terminals on the top.

Use of insulating terminal boots is recommended, especially in areas where accidental shorting may occur, such as storage lockers or under lounges and beds. Connect the Positive (Red) and Negative (Black) cables to the battery, ensuring you are using cable that is of adequate size for the demands of the system, and well crimped and protected termination lugs.

Example;

1000W Inverter - at least Guage 2 (35mm²) 2000W Inverter - at least Guage 00 (70mm² 3000W Inverter - at least Guage 000 (95mm²)

Cable Conversion Guide

| Standard | | | | | | | Unit | | | | | | |
|---------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| AWG | 0000 | 000 | 00 | 0 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |
| Diameter (mm) | 11.68 | 10.40 | 9.27 | 8.25 | 7.35 | 6.54 | 5.19 | 4.11 | 3.26 | 2.59 | 2.05 | 1.63 | 1.29 |
| Cross Section (mm²) | 107.1 | 84.9 | 67.5 | 53.5 | 42.4 | 33.6 | 21.2 | 13.3 | 8.4 | 5.3 | 3.3 | 2.1 | 1.3 |

The spring washers must be used on the battery terminal bolts - they apply pressure to the lugs for a secure connection. There is no need to over-tighten the bolts, simply ensure there is no movement of the cables. Make sure the main Battery Cable lug is mounted directly onto the Battery terminal with no washers between them.

Section 3 - Charging

Lithium batteries need to be charged slightly different to other batteries.

To ensure they live a long life and provide maximum capacity, you must use a charger with a lithium LiFeP04 setting - this includes:

- AC Chargers
- DC to DC Chargers
- Solar Controllers

If your charger allows, set the charge voltage from 14.2 - 14.6 Volts and Float 13.5 - 13.6 Volts and proceed with charging. We recommend charging at the lower end of the voltage scale for maximum longevity of the battery.

It is recommended that the charging current should be 30% of your battery capacity. You can charge at higher currents but 30% is the recommended for long life.

See **Section 10 - Battery Specifications**.

*Note:

You can charge a lithium battery with a non-lithium charger, but these chargers can deliver too much or too little voltage and may not cut off when the battery is full.

DO NOT use a charger with a "Pulse Stage" or "Equalisation Mode". This will damage the battery and void warranty.

DO NOT connect this battery to a start battery with a VSR (Dual Battery System or "Voltage Sensitive Relay"). The voltage of the Lithium battery may keep the VSR switched on resulting in it discharging into the start battery, and/or flattening the start battery.



Section 4 - Discharging (using the battery)

The Enerdrive B-TEC Lithium Battery can deliver a very high discharge current due to the high power, high quality Battery Management System (BMS) and prismatic Lithium cells inside the battery.

Refer to Section 10 - Battery Specifications for the maximum rated discharge current of your battery.

For this to happen, you MUST USE cable of the correct guage.

Inverter Usage

It is recommended to not put more load on your batteries than the rating of the BMS installed. We also recommend following the below even if you have two batteries in parallel, this protects overloading a single battery if the other battery in the bank was to shut down (i.e. low capacity).

- 12V 100AH B-TEC 12V 1000W Inverter Max
- 12V 125AH B-TEC 12V 1000W Inverter Max
- 12V 200AH B-TEC 12V 2600W Inverter Max
- 12V 300AH B-TEC 12V 3000W Inverter Max
- 24V 150AH B-TEC 24V 3500W Inverter Max

Section 5 - Protecting Your Battery

Lithium batteries cannot be protected effectively by monitoring voltage due to their ability to maintain a higher voltage for much longer than AGM or flooded/sealed batteries.

"State of Charge" (SOC%) percentage is the most accurate and effective method of disconnecting loads from the battery - this requires a battery monitor which uses a "shunt" to measure the current going into (Charging) and coming out of (Discharging) the battery.

Example;

200 Amp Battery Fully Charged State of Charge = 100% 50 Amps used State of Charge = 75%

100 Amps used State of Charge = 75%
State of Charge = 50%

It is recommended that Lithium batteries not be discharged below 20% State of Charge or the battery life may be shortened.

As an added layer of protection, the Enerdrive B-TEC Lithium Battery also has a built-in low voltage disconnect circuit. If this occurs, please refer to **Section 6 - Restarting Your Battery**.

If your battery has shut down due to low voltage you must charge your battery within 14 days to prevent permanent damage occuring to the cells.



Section 6 - Restarting Your Battery

Batteries with Reset Button on Battery

We strongly recommend keeping the battery charged to avoid activating the internal low battery voltage disconnect.

If your DC system shuts down, the battery may require re-starting. Please use the following procedure:

- 1. Turn off all DC and AC Loads
- Connect charging source/s and switch ON
- 3. Hold the "Reset" button 5 seconds, release and guick press
- 4. Release and wait 7 seconds
- 5. Power will be restored and charging will commence after a few seconds
- 6. When the SOC (State of Charge) is above 20%, loads can be switched on if required



By continuously tripping the low voltage disconnect of the battery you may cause damage to sensitive electronic equipment that is attached to the battery. i.e. battery chargers, solar controllers, inverters, stereo equipment etc - all of which are not covered under the battery warranty.

Batteries without Reset Button on Battery

To reconnect, a charge voltage of ≥12.8v must be applied to the battery before the over-discharge release will activate and allow charge current to flow into the battery. This can be done via a momentary reset switch between the start battery and B-TEC or by jump starting with a portable power pack.

Follow the above steps to turn off all DC and AC loads, turn on charging sources and then activate reset switch or apply jump start pack, disconnect as soon as chargers begin charging.

Section 7 - Using the Smart Phone Battery Monitor App

The Enerdrive B-TEC Lithium Battery incorporates a wireless Smart Phone Monitoring system. By downloading the Android™ or Apple® app to your Smart Phone or tablet device, you can monitor the following information;

- Battery Capacity
- · Battery Voltage
- Battery Current (Amps)
- Battery State of Charge (SOC)
- Battery State of Health (SOH)
- · Battery Status

- Individual Cell Voltage
- Battery Temperature
- · Battery Cycles
- · Battery Alarms
- · Battery Event Information







Alarms Definitions

HV - High Voltage

LV - Low Voltage

OCC - Over Current Charge

OCD - Over Current Discharge

LTD - Low Temperature Discharge

LTC - Low Temperature Charge

HTD - High Temperature Discharge

HTC - High Temperature Charge

(Refer to Section 10 - Battery Specifications for values).

^{*} The red warning light is only an indicator, not a fault condition.

^{*}The 3 vertical dots on the lower part of the main screen allows you to change the Bluetooth name of the battery. Touch the dots, and use 1234 as the password to enter your battery name.

^{*} A notification will only appear in the notifications page if under alarm condition.



Section 8 - Warnings

Please read and follow the cautions listed on the battery before installation. Improper use may cause heat, fire, rupture, damage or capacity deterioration of the battery. Dometic Power & Control (Enerdrive) Pty Ltd is not responsible for any accidents cause by the usage without following our specification.



Failure to follow these instructions may result in early battery failure or possible personal injury.

- Do not use the battery for cranking/starting applications.
- · Do not series connect the battery.
- · Do not dispose of in fire.
- The battery must be installed far away from heat sources, high voltage, and avoid exposed sunlight for long periods of time.
- · Do not throw the battery into water.
- Do not connect the positive and negative terminals of battery together.
- · Do not ship or store battery together with metal.
- Do not disassemble the battery. Battery warranty will be voided if the case is opened.
- Do not drop, impact or puncture the battery.
- Do not allow the battery to sit in a discharged state≤11.50V
- When the battery capacity is low (≤15% SOC), please charge the battery.
- Please use the matched or suggested charger that contains a Lithium charge profile for this battery. Failure to install the correct battery charger will void all warranty.
- If the battery emits a peculiar smell, heating, distortion or appears to have any abnormality during operation or storage, please stop using the battery and take it out of service. Contact Enerdrive for further details
- If the battery leaks and gets into eyes or on skin, do not wipe. Rinse with clean water and seek medical attention immediately.

Low Battery Voltage Disconnect

The battery has a low voltage disconnect incorporated for self-protection. If the battery is drawn down to the internal low voltage disconnect set point 2.8v per cell (11.2V for 12V battery) the battery will disconnect.

Section 9 - FAQ

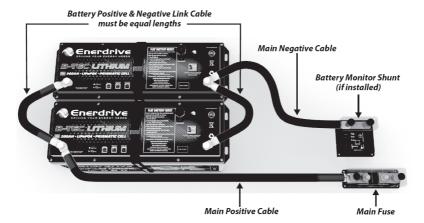
Q: Can I parallel B-TEC batteries?

A: The short answer is yes.

The long answer is - if you are drawing large currents, the maximum current delivered will be limited to the maximum instantaneous discharge capacity of one battery, for example; 200A on a 200Ah G2 B-TEC Battery.

With low to medium current draw installations (the vast majority of applications) you may never see an issue and your storage capacity will be greatly increased - I.E. 2 x 200 Amp = 400 Amp capacity.

When installing, fully charge the batteries separately - then let sit for 30 minutes before connecting together. When connecting in parallel - take the positive from Battery 1, and the negative from Battery 2 to your system as per the diagram below.



The Smart Phone App will only show the information from one battery at a time - not both. This is another advantage of a separate Battery Monitor - it will show the total system environment.

*Note: Slight variance of State of Charge or Amps may occur between the batteries in parallel however these should not vary by more than 5%.

It is recommend that annually the batteries be disconnected and individually charged allowing them to sit at a fully charged state for 12hrs each before connecting back together.



Q: Can I series connect B-TEC batteries to achieve higher voltage?

A: No. Enerdrive offers higher voltage Lithium solutions - contact us for details.

Q: Can I use an Inverter with my B-TEC battery?

A: Yes. Refer to Section 4 for more detail.

Q: Can I install the B-TEC battery in a wet area?

A: No. Due to the construction of the B-TEC cases the batteries must be installed in a dry environment to protect against moisture ingress.

Q: Can I install the B-TEC battery on its side or end?

A: No.

Section 10 - Specifications

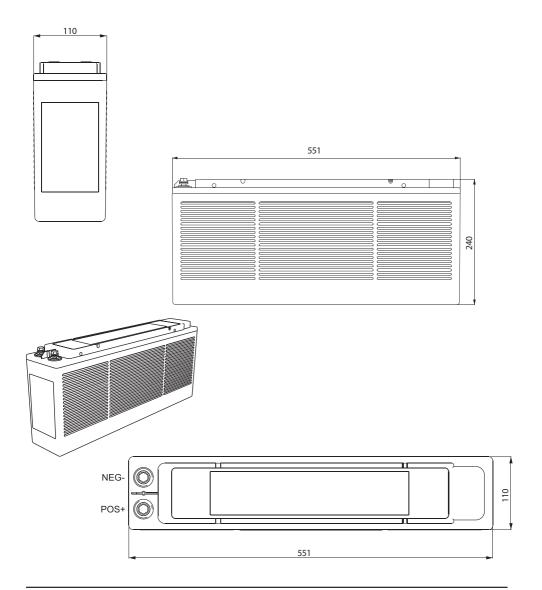
| Normal Specificatio | n | EPL-100BT-12V-SLIM | FPI-125F | BT-12V-G2 | FPI -200F | T-12V-G2 | FPI -300F | 8T-12V-G2 | | | |
|--|---------------|---|------------------|--------------------|-------------------|-----------------|-----------------|----------------|--|--|--|
| Nominal Voltage | | LI L 10001 124 SEIM | LI E 1231 | | .8V | 1124 02 | Li L 3001 | 71 124 02 | | | |
| Nominal Capacity | | 100Ah | 12 | 5Ah | | 0Ah | 30 | 0Ah | | | |
| Cycle Life (DOD - 809 | h | 1007111 | | 57111 | | 07111 | 30 | 07111 | | | |
| under controlled cor | | ≥2000 Cycles | | | | | | | | | |
| Standard Charge Sp | ecification | (Lithium profile charger requ | iired) | | | | | | | | |
| Battery Charge Temp | erature | | | 0 - 4 | 15°C | | | | | | |
| Normal Charge Volta | ge CV/CC* | | | 14.20 | ~14.60 | | | | | | |
| Standby (Float) Volta | ge | | | 13.50 | ~13.80 | | | | | | |
| Maximum Charge Cu | ırrent | 80A @ 25°C for 30mins | 80A @ 25°0 | C for 30mins | 150A @ 25° | C for 30mins | 190A @ 25° | C for 30mins | | | |
| Nominal Charge Cur for Maximum Life | rent | 20~50A | 20~ | -60A | 40~ | 100A | 80~ | 120A | | | |
| Standard Discharge | Specificat | ion | | | | | | | | | |
| Battery Discharge Te | mperature | | | -20°C | ~ 60°C | | | | | | |
| Battery Output Volta | ge Range | | | 11.0 ~ 14.6 | 60V approx. | | | | | | |
| Maximum Discharge | Current | 100A @ 25°C ±5°C for 30 mins | 100A @ 25°C ± | 5°C for 30 mins | 200A @ 25°C ± | 5°C for 30 mins | 250A @ 25°C ± | 5°C for 15 min | | | |
| Pulse Discharge Curr | ent | 250A for 1.0s | | | 450A | for 1.0s | | | | | |
| Discharge Cut-Off Vo | ltage | | | ≤11 | .20V | | | | | | |
| Circuit Protection | | | | | | | | | | | |
| | | ePO4 Battery Management Sys rom overcharge, over discharge | | | | | | | | | |
| Over-Charge Protec | | | a short circuit. | overally the bivis | ricips to crisuit | sare una accur | ne operation of | the buttery. | | | |
| Over-Charge Protecti | on Per Cell | | | 3.90 ± | 0.03V | | | | | | |
| Over-Charge Release | Per Cell | | | 3.60 ± | 0.05V | | | | | | |
| Over-Charge Release | Method | | | Discharge belov | v release voltage | 2 | | | | | |
| Over-Discharge Pro | tection | | | | | | | | | | |
| Over-Discharge Protec | tion Per Cell | | | 2.80V | ± 0.05V | | | | | | |
| Over-Discharge Relea | se Per Cell | | | 3.20V | ± 0.05V | | | | | | |
| Over-Disharge Releas | e Method | | | Apply Charge/ | Voltage ≥12.8v | | | | | | |
| Over Current Protec | tion | | | | | | | | | | |
| Discharge Over Curre | nt | 110A for 30s - 450A for 1s | | | | | | | | | |
| Protection Reset Time | | Approx 10s Auto Release | | | | | | | | | |
| Over Current Release | Method | | | Disconn | ect Load | | | | | | |
| Over Temperature F | rotection | | | | | | | | | | |
| Battery Discharge Ov | er Temp | | | Protection to | o 65°C ± 5°C | | | | | | |
| | | | | Protection to | o 50°C ± 5°C | | | | | | |
| Battery Charge Over Temp | | Protection to 55°C ±5°C | | | | | | | | | |
| Protection to 4: | | | | | | 45°C ± 5°C | | | | | |
| Short Circuit Protection | | | | | ise after 5s | | | | | | |
| Mechanical Charact | teristics | Without Tray | Without Tray | With Tray | Without Tray | With Tray | Without Tray | With Tray | | | |
| Dimensions | Length | 551mm | 318mm | 318mm | 505mm | 505mm | 521mm | 521mm | | | |
| | Width | 110mm | 165mm | 165mm | 173mm | 173mm | 280mm | 288mm | | | |
| Sriciisioris | Height | 240mm | 232mm | 240mm | 265mm | 272mm | 253mm | 261mm | | | |
| | Weight | Approx. 12.5kg | Approx. 15.5kg | Approx. 16.2kg | Approx. 25.0kg | Approx. 26.0kg | Approx. 38.2kg | Approx. 39.4k | | | |
| Storage Information | n | | | | | | | | | | |
| | | | - | ≤30 days - 20°C to | 60°C, 5 ~ 75% F | RH | | | | | |
| Tomporature 0.11. | | | _ | | _ | _ | _ | _ | | | |
| Temperature & Humio | dity Range | | ≥9 | 90 days - 10°C to | 45°C, 5 ~ to 75% | RH | | | | | |

| | | CATIONS: Enerdrive B-TEC L | itilialii Dattely It | ecnnicai Dala - 1 | T & JU VOLI | | |
|--|--|--|---|---|---|--|--|
| Normal Specification | n | EPL-100BT-24V | EPL-150B | T-24V-G2 | EPL-100BT-36V | | |
| Nominal Voltage | | 25.6V | 25. | 6V | 38.4V | | |
| Nominal Capacity | | 100Ah | 150 |)Ah | 100Ah | | |
| Cycle Life (DOD - 80% under controlled con | | ≥2000 Cycles | | | | | |
| Standard Charge Sp | ecification (I | Lithium profile charger required) | | | | | |
| Battery Charge Temp | erature | | 0 - 4 | 5°C | | | |
| Normal Charge Volta | ge CV/CC* | 28.80 ~29.20 | 28.80 | ~29.20 | 43.20 ~43.80V | | |
| Standby (Float) Volta | ge | 27.00 ~27.60 | 27.00 | ~27.60 | 40.5 ~41.40V | | |
| Maximum Charge Cu | ırrent | 50A @ 25°C for 30mins | 100A @ 25°0 | for 60mins | 50A @ 25°C for 30mins | | |
| Recommended Char for Maximum Life | ge Current | 20~50A | 30~75A | | 20~50A | | |
| Standard Discharge | Specificatio | n | | | | | |
| Battery Discharge Ter | nperature -20°C ~ 60°C | | | | | | |
| Battery Output Volta | ge Range | 22.0 ~ 29.20V | 22.0 ~ 2 | 29.20V | 33.0 ~ 43.80V | | |
| Maximum Discharge | Current | 100A @ 25°C ±5°C for 30 mins | 150A @ 25°C ± | 5°C for 30 mins | 100A @ 25°C ±5°C for 30 mins | | |
| Pulse Discharge Curr | | | 450A fe | or 1.0s | | | |
| Discharge Cut-Off Vo | | ≤22.40V | ≤22. | | ≤33.60V | | |
| Circuit Protection | | | | | | | |
| | | PO4 Battery Management System (BM om overcharge, over discharge & short | | | | | |
| Over-Charge Protec | tion: | | | | | | |
| Over-Charge Protection | on Per Cell | | 3.90 ± | 0.03V | | | |
| | | | | | | | |
| Over-Charge Release | Per Cell | | 3.60 ± | 0.05V | | | |
| | | | 3.60 ± Discharge below | | | | |
| Over-Charge Release | Method | | | | | | |
| Over-Charge Release Over-Discharge Pro | Method tection | | | release voltage | | | |
| Over-Charge Release Over-Discharge Pro Over-Discharge Protec | Method tection tion Per Cell | | Discharge below | release voltage | | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Relea | Method tection tion Per Cell use Per Cell | Apply Charge/Voltage ≥25.6v | Discharge below 2.80V ± 3.20V ± | release voltage £ 0.05V £ 0.05V | Apply Charge/Voltage ≥38.4v | | |
| Over-Charge Release Over-Discharge Protector Over-Discharge Relea Over-Disharge Releas | Method tection tion Per Cell use Per Cell tie Method | Apply Charge/Voltage ≥25.6v | Discharge below | release voltage £ 0.05V £ 0.05V | Apply Charge/Voltage ≥38.4v | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Protect Over-Discharge Releas Over-Disharge Releas Over-Current Protect | Method tection tion Per Cell use Per Cell tie Method tion | | Discharge below 2.80V : 3.20V : Apply Charge/A | release voltage ± 0.05V ± 0.05V /oltage ≥25.6v | | | |
| Over-Charge Release Over-Discharge Pro Over-Discharge Protec Over-Discharge Relea Over-Disharge Releas Over Current Protec Discharge Over Curre | Method tection tion Per Cell use Per Cell tie Method tion | Apply Charge/Voltage ≥25.6v 110A for 30s - 450A for 1s | 2.80V : 3.20V : Apply Charge/\(\text{L}\) | release voltage ≥ 0.05V ≥ 0.05V /oltage ≥25.6v | Apply Charge/Voltage ≥38.4v 110A for 30s - 450A for 1s | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Protect Over-Discharge Releas Over-Discharge Releas Over-Current Protect Discharge Over Curre Protection Reset Time | Method tection tion Per Cell use Per Cell tie Method tion | | Discharge below 2.80V : 3.20V : Apply Charge/A | release voltage ± 0.05V ± 0.05V foltage ≥25.6v 400A for 3.5s uto Release | | | |
| Over-Charge Release Over-Discharge Protec Over-Discharge Protec Over-Discharge Releas Over-Disharge Releas Over Current Protec Discharge Over Curre Protection Reset Time Over Current Release | Method tection tion Per Cell use Per Cell use Method tion Method | | 2.80V : 3.20V : Apply Charge/\(\text{Apply for 10s} - \text{Approx. 30s A}\) | release voltage ± 0.05V ± 0.05V foltage ≥25.6v 400A for 3.5s uto Release | | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Unrent Protect Discharge Over Curre Protection Reset Time Over Current Release Over Temperature P | Method tection tion Per Cell use Per Cell use Method cition Method Protection | | 2.80V : 3.20V : Apply Charge/\(\text{V}\) 170A for 10s - Approx. 30s A | e 0.05V ≥ 0.05V ≥ 0.05V /oltage ≥25.6v 400A for 3.5s uto Release ect Load | | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Unrent Protect Discharge Over Curre Protection Reset Time Over Current Release Over Temperature P | Method tection tion Per Cell use Per Cell use Method cition Method Protection | | 2.80V : 3.20V : Apply Charge/\(\text{Approx.}\) 30s A Disconne | release voltage ± 0.05V ± 0.05V voltage ≥25.6v 400A for 3.5s uto Release ect Load | | | |
| Over-Charge Release Over-Discharge Pro Over-Discharge Pro Over-Discharge Protec Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Over-Discharge Release Over-Over-Over-Over-Over-Over-Over-Over- | Method tection tion Per Cell use Per Cell use Method cition Method Protection | | 2.80V : 3.20V : Apply Charge/\(\text{V}\) 170A for 10s - Approx. 30s A Disconne | trelease voltage ± 0.05V ± 0.05V voltage ≥25.6v 400A for 3.5s uto Release ect Load 0.65°C ±5°C | | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over Current Protect Discharge Over Curre Protection Reset Time Over Current Release Over Temperature Protect Battery Discharge Over | Method tection tion Per Cell tion Method Method tetion Method Trotection | | 2.80V : 3.20V : Apply Charge/\(\text{Approx.}\) 30s A Disconne Protection to Protection to | e 0.05V ≥ 0.05V ≥ 0.05V 2 0.05V 400A for 3.5s uto Release ect Load 0 65°C ± 5°C 0 50°C ± 5°C | | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Over-Discharge Release Over-Current Protect Over Current Protect Over Current Release Over Temperature P Battery Discharge Over Battery Charge Over I | Method tection tion Per Cell see Per Cell see Method ttion unt e Method Protection er Temp | | 2.80V : 3.20V : Apply Charge/\(\text{V}\) 170A for 10s - Approx. 30s A Disconne Protection to Protection to Protection to | e 0.05V ≥ 0.05V ≥ 0.05V 400A for 3.5s uto Release ect Load 0.65°C ± 5°C 0.55°C ± 5°C 0.45°C ± 5°C | | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Over-Discharge Release Over-Current Protect Over-Current Protect Over-Current Release Over-Current Rel | Method tection tion Per Cell see Per Cell see Method ttion which is a contraction which is a contraction er Temp femp on | 110A for 30s - 450A for 1s | 2.80V : 3.20V : Apply Charge/\(\) 170A for 10s - Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: | e co.05V ≥ 0.05V ≥ 0.05V 400A for 3.5s uto Release ect Load 0.65°C ± 5°C 0.55°C ± 5°C 0.45°C ± 5°C | 110A for 30s - 450A for 1s | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Over-Discharge Release Over-Current Protect Over-Current Protect Over-Current Release Over-Current Rel | Method tection tion Per Cell see Per Cell see Method tion mt e Method Protection er Temp Grepp on meteristics | 110A for 30s - 450A for 1s Without Tray | 2.80V : 3.20V : Apply Charge/N 170A for 10s - Approx. 30s A Disconner Protection to Protection to Protection to Auto relea: Without Tray | e 0.05V ± 0.05V ± 0.05V 400A for 3.5s uto Release ect Load 0.65°C ± 5°C 0.50°C ± 5°C 0.45°C ± 5°C | 110A for 30s - 450A for 1s Without Tray | | |
| Over-Charge Release Over-Discharge Protection Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Discharge Release Over Current Protection Over-Current Release Over Current Release Over Temperature P Battery Discharge Over Battery Charge Over Temperature P Short Circuit Protection Mechanical Charact | Method tection tion Per Cell see Per Cell see Method Protection er Temp Temp Description Length | 110A for 30s - 450A for 1s Without Tray 446mm | 2.80V : 3.20V : Apply Charge/\(\) 170A for 10s - Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: Without Tray 521mm | e 0.05V ≥ 0.05V ≥ 0.05V 400A for 3.5s uto Release ect Load 0.65°C ± 5°C 0.55°C ± 5°C 0.45°C ± 5°C | 110A for 30s - 450A for 1s Without Tray 520mm | | |
| Over-Charge Release Over-Discharge Protect Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Current Protect Discharge Over Current Protection Reset Time Over Current Release Over Temperature P | Method tection tion Per Cell see Per Cell see Method Per Cell see Method Protection er Temp Temp Temp Length Width | 110A for 30s - 450A for 1s Without Tray 446mm 161mm | 2.80V : 2.80V : 3.20V : Apply Charge/\(\) 170A for 10s - Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: Without Tray 521mm 280mm | 2 construction of the con | 110A for 30s - 450A for 1s Without Tray 520mm 273mm | | |
| Over-Charge Release Over-Discharge Protectover-Discharge Release Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Current Protector Discharge Over Current Protection Reset Time Over Current Release Over Temperature P Battery Discharge Over Battery Charge Over T Short Circuit Protectic Mechanical Charact Dimensions | Method tection tion Per Cell see Per Cell see Method Method Protection er Temp Ferming Ceristics Length Width Height | Without Tray 446mm 161mm 245mm | 2.80V : 3.20V : Apply Charge/\(\) Apply Charge/\(\) Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: Without Tray 521mm 280mm 253mm | 2 construction of the con | 110A for 30s - 450A for 1s Without Tray 520mm 273mm 225mm | | |
| Over-Charge Release Over-Discharge Protectover-Discharge Protectover-Discharge Release Over-Discharge Release Over-Discharge Release Over-Current Protectover-Discharge Over Current Protection Reset Time Over Current Release Over Temperature P Battery Discharge Over- Battery Charge Over-I Short Circuit Protectic Mechanical Charact Dimensions Weight | Method tection tion Per Cell see Per Cell te Method Method Protection er Temp Temp Length Width Height Weight | 110A for 30s - 450A for 1s Without Tray 446mm 161mm | 2.80V : 2.80V : 3.20V : Apply Charge/\(\) 170A for 10s - Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: Without Tray 521mm 280mm | 2 construction of the con | 110A for 30s - 450A for 1s Without Tray 520mm 273mm | | |
| Over-Charge Release Over-Discharge Protection Over-Discharge Protection Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Current Protection Discharge Over Curree Protection Reset Time Over Current Release Over Temperature P Battery Discharge Over Battery Charge Over 1 Short Circuit Protectic Mechanical Charact Dimensions | Method tection tion Per Cell see Per Cell te Method Method Protection er Temp Temp Temp Length Width Height Weight | Without Tray 446mm 161mm 245mm | 2.80V : 3.20V : Apply Charge/N 170A for 10s - Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: Without Tray 521mm 280mm 253mm Approx. 38.2kg | 26.05V 20.05V 20.05V 400A for 3.5s 400A for 3. | 110A for 30s - 450A for 1s Without Tray 520mm 273mm 225mm | | |
| Over-Charge Release Over-Discharge Protector Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Discharge Release Over-Over-Discharge Release Over-Current Protector Over Current Release Over Current Release Over Temperature P Battery Discharge Over Battery Charge Over T Short Circuit Protectic Mechanical Charact | Method tection tion Per Cell see Per Cell see Method tion white the Method trion white the Method protection er Temp on teristics Length Width Height Weight n | Without Tray 446mm 161mm 245mm | 2.80V : 3.20V : Apply Charge/\(\) Apply Charge/\(\) Approx. 30s A Disconne Protection to Protection to Protection to Auto relea: Without Tray 521mm 280mm 253mm | 2 0.05V 2 0.05V 4 0.05V 4 0.05V 4 0.05V 4 0.06 for 3.5s uto Release ect Load 2 0.65°C ± 5°C 2 0.55°C ± 5°C 2 0.55°C ± 5°C 3 0.50°C ± 5°C 3 0.50°C ± 5°C 3 0.50°C ± 5°C 4 0.50°C ± 5°C 4 0.50°C ± 5°C 4 0.50°C ± 5°C 5 0.50°C ± | 110A for 30s - 450A for 1s Without Tray 520mm 273mm 225mm | | |



EPL-100BT-12V-SLIM

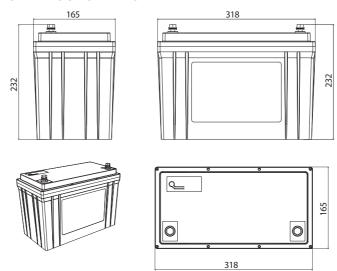
DIMENSIONS (NO STRAP & TRAY INCLUDED WITH THIS MODEL)



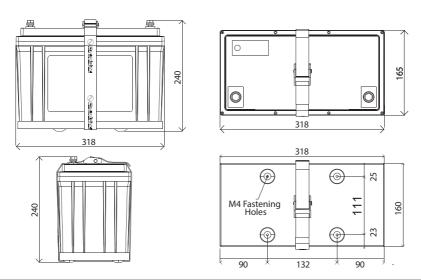


EPL-125BT-12V-G2

DIMENSIONS WITHOUT STRAP & TRAY



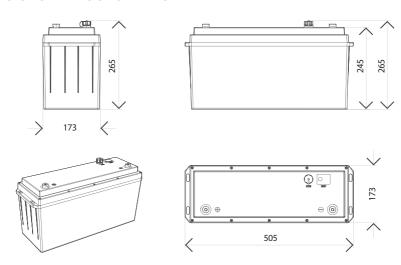
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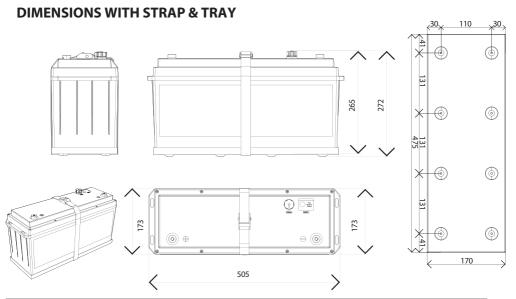


EPL-200BT-12V-G2

DIMENSIONS WITHOUT STRAP & TRAY



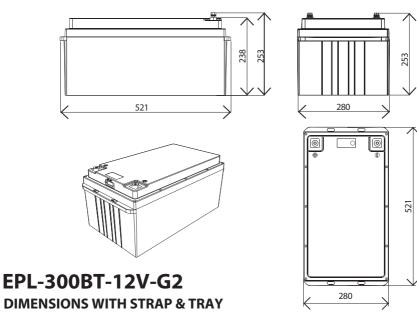
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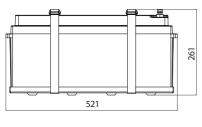


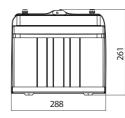


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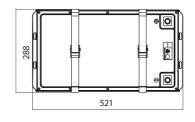
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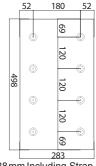






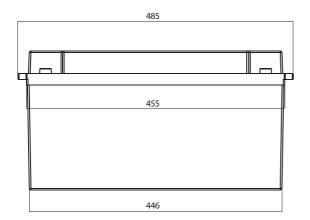


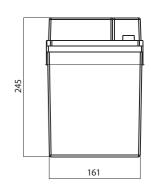


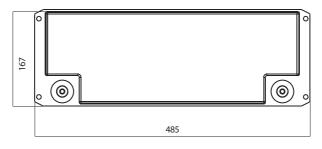


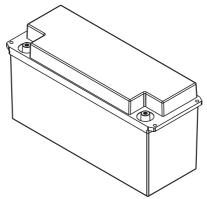


EPL-100BT-24V





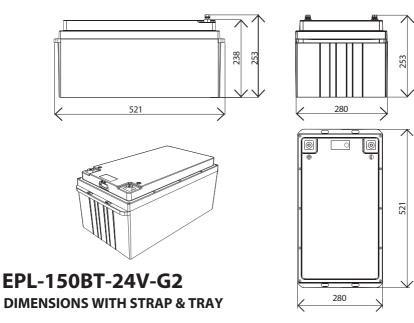


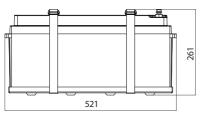


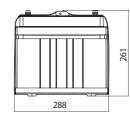


EPL-150BT-24V-G2

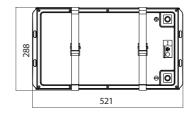
DIMENSIONS WITHOUT STRAP & TRAY

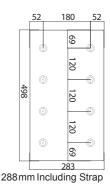






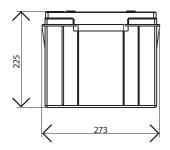


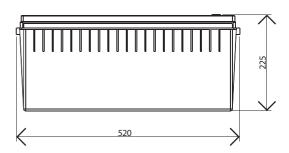


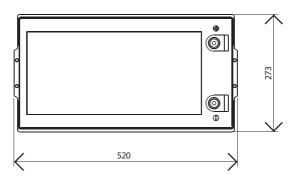


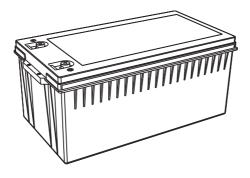


EPL-100BT-36V











Section 12 - Warranty



5 Year Warranty

In the unlikely event that a technical issue arises with an Dometic Power & Control (Enerdrive) Pty Ltd product, customers are encouraged to initially contact the Enerdrive Support Team on 1300 851 535 or support@enerdrive.com.au for immediate and efficient expertise and first class product support.

Important Note: Consumer Protections

If you have purchased your product in Australia, you should be aware that:

This warranty is provided in addition to other rights and remedies held by a consumer at law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Dometic Power & Control (Enerdrive) Pty Ltd warrants that its Products will be free from defects in materials and workmanship (subject to limits, and in normal conditions, as described in the complete Enerdrive Warranty Policy) for up to 5 years from the date of purchase.

For full terms, conditions and claim process, refer to the Enerdrive website. https://enerdrive.com.au/warranty/



| NOTES: |
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Dometic Power & Control (Enerdrive) Pty Ltd

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Email: support@enerdrive.com.au

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