



Enerdrive

DRIVING YOUR ENERGY NEEDS

B-TEC LITHIUM

Generation 2 - 12V 200Ah Lithium Battery



**200 Amps of
PURE DC POWER**
**now with more
advanced features!**

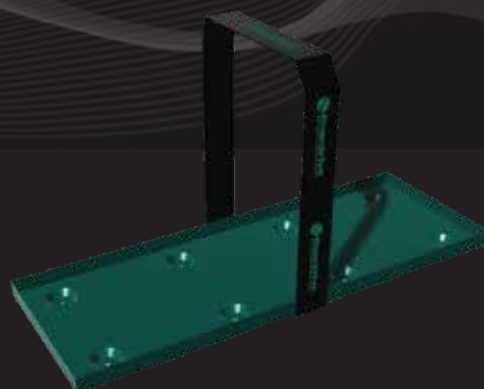
- ▶ BMS Restart button for easy recovery from battery shutdown.
- ▶ RS485 Communications port for advanced system integration.
- ▶ Raised terminals for 360 degree cable connections.
- ▶ Re-designed battery case for easy serviceability.
- ▶ Battery Tray and Strap INCLUDED.

How does the new Enerdrive Generation 2 (G2) B-TEC 200Ah Lithium Battery measure up against it's original predecessor? Let's have a look...

- The increase in height allows for full 360° connection of the battery cables that make installation easier and more flexible. Also included for free is a metal battery tray and hold down strap to complete the installation process.
- Now incorporates a Built-In Reset Button making re-starting a flat battery a breeze. No longer do you need to apply a voltage to the battery terminals to wake up the battery. Press the button and within seconds, the battery will come back to life ready to accept a charge source to rejuvenate the battery.
- Also includes a RS485 communications port located on the top of the battery. This port allows for integration into other CanBus systems for data monitoring and recording.
- The New Enerdrive Generation 2 (G2) B-TEC 200Ah Lithium Battery now comes with a 3 year full replacement warranty. Additionally, we have also included a further 2 year Pro-Rata warranty to giving you peace of mind knowing that Enerdrive have got you covered.



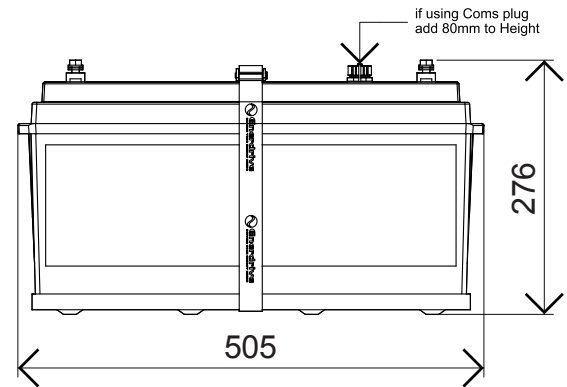
Dimension	Original	New	New with Mounting Tray
Length	485mm	505mm	505mm
Width	170mm	172.5mm	175.7mm
Height	245mm	265mm	276mm



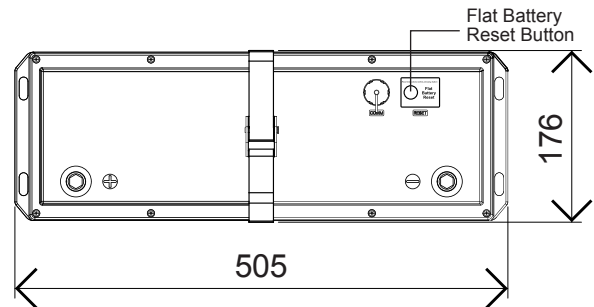
Enerdrive B-TEC 12v-G2 Lithium Battery Technical Data			
Normal Specification		EPL-200BT-12V-G2	
Nominal Voltage		12.8V	
Nominal Capacity		200Ah	
Cycle Life (DOD - 80% under controlled conditions)		≥2000 Cycles	
Standard Charge Specification (Lithium profile charger required)			
Battery Charge Temperature		0 - 45°C	
Normal Charge Voltage CV/CC*		14.20 -14.60	
Standby (Float) Voltage		13.50 -13.60	
Maximum Charge Current		150A @ 25°C for 30mins	
Recommended Charge Current for Maximum Life		≤60A	
Standard Discharge Specification			
Battery Discharge Temperature		-20°C - 60°C	
Battery Output Voltage Range		11.0 - 14.60V approx.	
Maximum Discharge Current		200A @ 25°C ±5°C for 30 mins	
Pulse Discharge Current		450A for 1.0s	
Discharge Cut-off Voltage		2.8V per cell	
Circuit Protection			
The battery is supplied with a LiFePO4 Battery Management System (BMS) that can monitor and optimise each single prismatic cell during charge & discharge, to protect the battery pack from overcharge, over discharge & short circuit. Overall, the BMS helps to ensure safe and accurate operation of the battery.			
Over-Charge Protection			
Over-charge Protection Per Cell		3.75 ± 0.03V	
Over-charge Release Per Cell		3.60 ± 0.05V	
Over-charge Release Method		Discharge below release voltage	
Over-Discharge Protection			
Over-Discharge Protection Per Cell		2.80V ± 0.05V	
Over-Discharge Release Per Cell		3.20V ± 0.05V	
Over-Discharge Release Method		Apply Charge/Voltage ≥12.8v	
Over Current Protection			
Discharge Over Current		220A for 30s - 450A for 1s	
Protection Reset Time		5s Auto Release	
Over Current Release Method		Disconnect Load	
Over Temperature Protection			
Battery Discharge Over Temperature		Protection to 65°C ± 5°C	
		Protection to 50°C ± 5°C	
Battery Charge Over Temperature		Protection to 55°C ± 5°C	
		Protection to 45°C ± 5°C	
Short Circuit Protection		Auto release after 5s	
Mechanical Characteristics		Without Tray & Strap	With Tray & Strap
Dimensions		L 505mm	L 505mm
		W 173mm	W 176mm
		H 265mm	H 276mm
Weight		Approx. 25.0kg	
Storage Information			
Temperature & Humidity Range		≤30 days - 20°C to 35°C, 45% to 75% RH	
		≥30 days - 10°C to 30°C, 45% to 75% RH	
Self-discharge Rate		≤3% per month	

EPL-200BT-12V-G2 Specifications

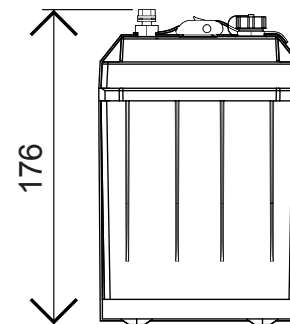
SIDE



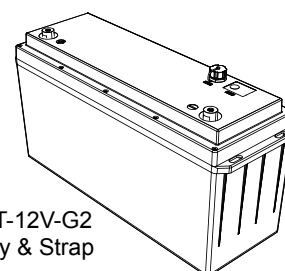
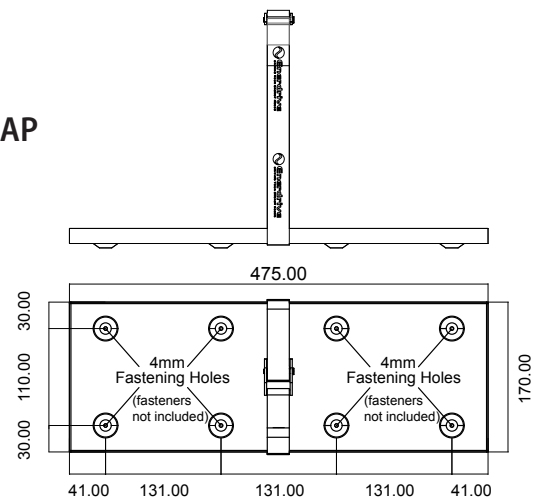
TOP



END



TRAY
& STRAP



EPL-200BT-12V-G2
without Tray & Strap

EPL-200BT-12V-G2
with Tray & Strap

