K-200-40-40-PLUSBUNDLE

Includes:

EPL-200BT-12V-G2

ePOWER B-TEC 12V 200Ah Gen 2 Lithium Battery

Designed and intended for use in deep cycle applications where a single battery is required that meets the amp hour capacity. It incorporates wireless Battery Monitoring Technology. 5 Years Warranty.

EN3DC40PLUS

ePOWER 12V 40A DC2DC+ Battery Charger

A fully automatic multistage, multi-input battery charger with the ability to charge from either an alternator linked to a battery; or via solar power with the in-built Maximum Power Point Tracking (MPPT) Solar Controller. 5 Years Warranty.

EN31240

ePOWER 12V 40A Battery Charger

A fully automatic, “set and forget” charger. It is designed to quickly and accurately recharge your batteries using algorithms that help maximise service life. Multistage smart charging technology enables the charger to be connected to your battery banks permanently. 5 Years Warranty.

EN55050

ePRO Plus Battery Monitor

A highly advanced battery monitor that consists of an intelligent shunt and a remote control display unit. The shunt has a Grid Optimized footprint for perfect integration with our DC Modular products. 5 Years Warranty.

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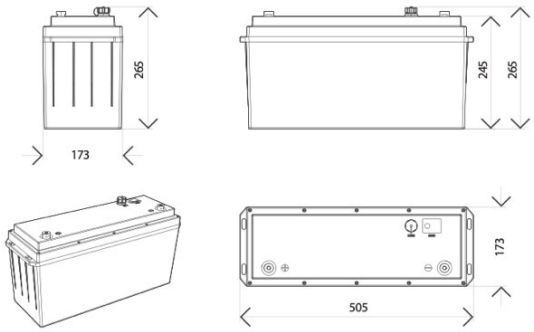
EPL-200BT-12V-G2

ePOWER B-TEC 12V 200Ah Gen 2 Lithium Battery

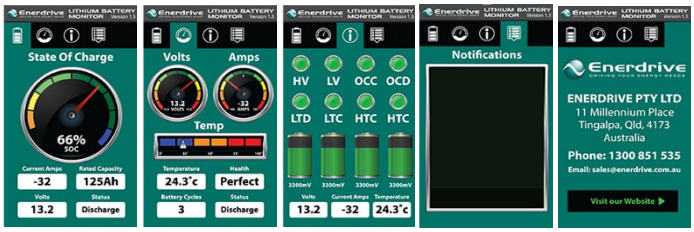
5 YEAR WARRANTY

A1 Batterypro www.a1batterypro.com.au

Features:



- Designed and intended for use in deep cycle applications where a single battery is required that meets the amp hour capacity.
- LiFePO4 prismatic cell
- Battery Management System – Protects the battery from over charge, over discharge, over temperature & short circuit.
- Metal battery tray and hold down strap included.
- Built-in reset button making re-starting a flat battery a breeze.
- RS485 communications port – Allows for integration onto other CanBus systems for data monitoring and recording.
- Capable to be paralleled to a second G2 battery. For maximum performance and lifespan of your G2 battery, no more than 4 batteries should be connected together to increase your overall capacity. Overall loads when paralleled should not exceed the current limits of a single batteries BMS.
- Able to accept a maximum inverter capacity of 2600W.
- Smart Phone Monitoring System – By downloading the Android™ or Apple® app, you can monitor 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.



Two Great Stores to choose from...

7 Cemetery Rd,
Mackay QLD 4740
Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814
Phone 07 4774 7344

EPL-200BT-12V-G2 Specifications:

Normal Specification	
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*	14.20~14.60V
Standby (Float) Voltage	13.50~13.80V
Maximum Charge Current	150A @ 25°C for 30mins
Recommended Charge Current For Maximum Life, Charge in the lower amperage range	40~100A
Standard Discharge Specification	
Battery Discharge Temperature	-20~60°C
Battery Output Voltage Range	11.00 ~ 14.60V
Maximum Discharge/Pulse Current	200A @ 25˚C ±5˚C for 30mins
Pulse Discharge Current	450A for 1.0s
Discharge Cut-off Voltage	≤11.20V
Circuit Protection	The battery is supplied with a LiFePO4 Battery Management System BMS
Over-Charge Protection	
Over-charge Protection Per Cell	3.90V ± 0.03V
Over-charge Release Per Cell	3.60V ± 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	Approx. 10s Auto Release
Over Current Release Method	Disconnect Load
Over Temperature Protection	
Battery Discharge Over Temperature	Protection to 65°C ± 5°C
	Release at 50°C ± 5°C
Battery Charge Over Temperature	Protection to 55°C ± 5°C
	Release at 45°C ± 5°C
Short Circuit Protection	Auto release after 5s
Dimensions	
Dimensions (L x W x H)	505 x 172.5 x 265mm
Weight	Approx. 25kg
Case Construction	Hi Impact ABS Plastic
Storage Information	
Self-discharge Rate	≤ 3% Per Month

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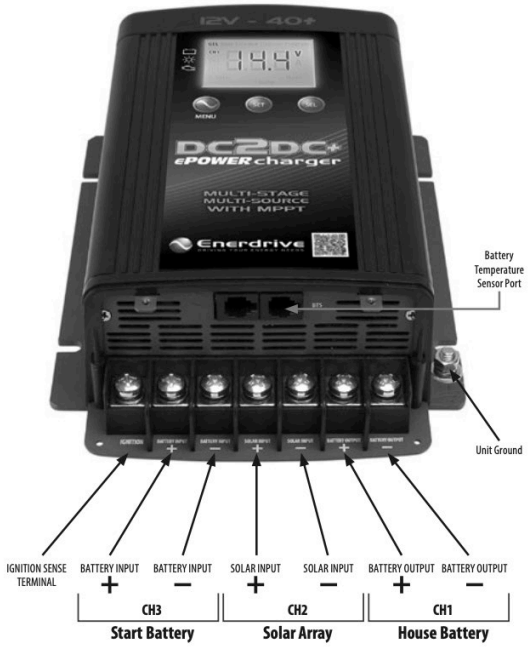
EN3DC40PLUS

ePOWER 12V 40A DC2DC+ Battery Charger

A1 Batterypro www.a1batterypro.com.au

Features:

The Enerdrive ePOWER DC2DC+ Battery Charger is a fully automatic multistage, multi-input battery charger with the ability to charge from either an alternator linked to a battery; or via solar power with the in-built Maximum Power Point Tracking (MPPT) Solar Controller.



- Two totally independent DC Inputs for both engine and solar regulation charging one house battery bank output.
- DC M6 screw terminals that will allow for large battery cable connection between all sources.
- A dedicated Maximum Power Point (MPPT) solar regulator.
- The same battery algorithms as included in our AC mains ePOWER battery charger. GEL, AGM, Flooded, Lithium and the ability to create a full custom profile.
- Vehicle input allows for either 12 or 24v and a maximum solar input of 45V/800W.
- 40A+ output up to 40+°C with thermo controlled fan cooling.
- Fully programmable LCD display to show which source is charging the battery along with charger status, voltage, and amperage.
- Temperature sensor included with charger for more accurate battery charging.

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EN3DC40PLUS Specifications:

Output Rating	
Output Voltage	12V Nominal (8.0V min)
Output Current (Maximum)	40A ~ 50A
Output Power	775W
Charger DC Output (CH1):	
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program
Charger Voltage Range	13.8V – 15.5V
Float Voltage Range	13.0V – 13.8V
Charger Current (User Selectable)	5/10/15/20/25/30/35/40/45/50A (default 40A)
Equalize Voltage (Flooded Battery)	15.5V
Equalize Charging Current	10% of Bulk Current Setting
Charging Control	2 stage / 3 stage selectable (Default 3 stage)
DC Output Bank	Single
Current draw from CH1 when not in use	< 50mA
Battery Temperature Setting	Low/ Normal/ High (Battery Temperature Sensor Standard)
Efficiency	95%
INPUT Rating (CH2 – MPPT Solar)	
Input Voltage	14.5 – 45VOC
Maximum Input	≤ 23V input, 500W (600W allowable) ≥37.5V-45V input, 750W (800W allowable)
INPUT Rating (CH3 – Start/Alternator)	
Input Voltage	10.5 – 16VDC / 21 – 32VDC
Dimensions	
Dimensions (H x W x D)	242 x 172 x 74mm
Unit Weight	1.85kg
Shipping Weight	2.17kg

Maximising your Solar Harvest using the DC2DC+

The Solar Input on the DC2DC+ unit has a maximum rated INPUT current of 30amps. This means it is optimised for using higher voltage 'grid' type modules for best output performance. The maximum achievable output using standard 20Voc solar modules will be approx. 35amps @ 14.4Vdc.

Panel Array	Rated Wattage & Volts	Open Circuit Rating	Estimated DC Amps Output (## See Below)
1	150watt @ 20Voc	150watts	10
1	200watt @ 43Voc	200watts	13
2	150watt @ 20Voc	300watts	21
2	200watt @ 43Voc	400watts	27
3	150watt @ 20Voc	450watts	31
3	200watt @ 43Voc	600watts	42
4	150watt @ 20Voc	600watts	35*
4	200watt @ 43Voc	800watts	47**
5	150watt @ 20Voc	1000watts	Not Recommended
5	200watt @ 43Voc	1000watts	Not Recommended

* Maximum achievable output on the DC2DC+ unit when using 20Voc Solar Panels will be the approx 35amps.

** Maximum achievable output on the DC2DC+ unit when using 43Voc Solar Panels will be the approx 47amps.

IMPORTANT NOTE: Estimated Amps Output is quoted based upon PERFECT Solar conditions including Sun Angle, Panel Mounting angle and Orientation to the sun. It needs to be noted that panel performance alters dramatically between Summer and Winter periods and actual performance may be impossible to predict.

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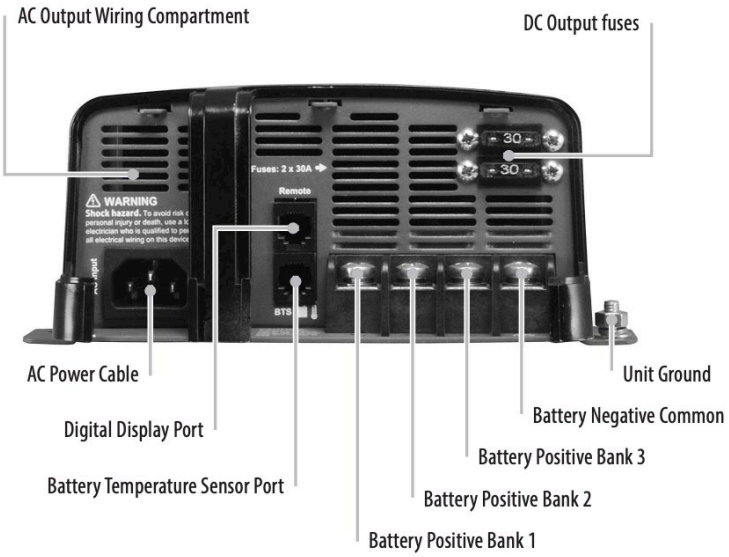
EN31240

ePOWER
12V 40A Battery Charger

A1 Batterypro www.a1batterypro.com.au

Features:

- **Multistage Charging:** Fully automatic multistage battery charger with the ability to charge 3 separate battery banks.
- **Separate Battery Banks:** Isolated charging design where battery bank one is separate from battery bank two and three.
- **Programmable:** Battery bank 1 can be programmed with a different charge algorithm over banks 2 and 3.
- **Current Control:** User adjustable current output (e.g. Dial the 60amp unit back to run off a 1kVA generator).
- **Smart Charging:** The ePOWER 40A battery charger will regulate its output based on the loads connected to your battery banks.



- **Wide AC Input Range:** Operates on both 110V / 60Hz and 240V / 50Hz.
- **LED Display:** Easy to use “set and select” menu along with scrolling charger status.
- **Silent Mode:** Disables the cooling fan for total silent operation at night or whenever required. Activation reduces charge output by half and locks out fan for 12 hours.
- **Temperature Sensor:** Battery temperature sensor included with 3-meter cable.

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Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814
Phone 07 4774 7344

EN31240 Specifications:

Charger Output	
Output Current (Maximum)	40A
Output Voltage Range	
Charge	14.2 – 15.5 V
Float	13.4 – 13.8 V
Equalize	16.0 V
Charging Control	Four stages (Bulk/Absorption/Float/Maintenance)
	Two stages (Bulk/Absorption)
	Constant Power Supply (Program setting)
	Priority Battery Bank Charging
DC Output Bank	Three (1 fully independent, 2 common with diode isolation)
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program
Standby Current	< 2 mA
Charger Input	
AC Input Voltage (Nominal)	90 to 265 VAC
AC Input Operating Range	207-265 Vac (3.8 A Max)90 – 125 Vac (7.7 A Max)
AC Input Frequency Range	47 – 63 Hz
Power Consumption	700W (Full Load)
Power Factor Correction	Yes
Charger Efficiency	> 82%
Protection and Features	
Reverse Polarity	Yes, (with user replaceable fuse/s)
Over Charge	Yes, unit shutdown
Over Temperature	Yes, unit de-rated and shutdown
Output Short Circuit	Yes, (with user replaceable fuse/s)
Cooling	Forced air ventilation (thermo controlled fan)
Temperature Setting	Hot, Normal, Cold (no sensor connected)
Battery Temp Sensor Port	RJ12 (standard battery temp. sensor supplied)
Display	
LCD Display (with back light)	Charging status, Battery Voltage, Output Current & Fault Codes.
AC Input and DC Output Connection	
AC Input Connection	IEC with Supplied 1.2M Power Lead
DC Output Connection	Heavy Duty Terminal (3 banks) – Pan Heads 6mm Thread
DC Output Ground	Single Heavy Duty Common Ground Stud
Environmental and Operating Temperature	
Storage Range	-40° to 70° C
Operating Range	-20° to 60° C
Humidity	5-95%, relative humidity non-condensing
Ingress Protection	IP32 (Basic drip proof in vertical orientation)
Base Unit Weight and Dimensions	
Weight	2.6kg
Dimensions (L x W x H)	295 x 206 x 86mm
Optional Accessories	Remote Digital Display / Enerdrive Part Number EN3REM
Regulatory Compliance	Complies with AS/NZS 60335.2.29 Including Australian deviations.

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EN55050

ePRO Plus Battery Monitor

5 YEAR WARRANTY

A1 Batterypro www.a1batterypro.com.au

Features:

- Consists of an intelligent shunt and a remote control display unit.
- Complete battery status information at a glance (%, V, A, Ah, W, h:m, °C).
- Compatible with lead based and Lithium batteries (LiFePO4).
- Supports up to three battery banks (12V, 24V and 48V).
- Inputs for battery bank 2 and 3 can be configured for other purposes, like mid-point voltage measurement, keyswitch input, setup lock or backlight control.
- Can measure DC currents up to 600Amps (500Amp continuous) and voltages up to 70Vdc.
- Perfect integration with Enerdrive DC Modular products
- Installation time is minimal, requiring only one supply wire to the intelligent shunt base and a single 'QuickLink' cable between the shunt base and the control/display unit (CDU). Additionally, the battery minus cable must be interrupted in order to insert the shunt into the high current circuit. The fused supply wire and the QuickLink cable are both included in the package, avoiding the need for a separate connection kit.

Active shunt module

Control & Display Unit

EN55050 Specifications:

ePro Plus (Part No: EN55050)	
Supply voltage range	7..70Vdc
Supply current (@ 12V/ 24V/48V)	10mA / 6mA / 5mA
Input voltage range main battery (+B1)	7..70Vdc1)
Input voltage range second & third battery (+B2, +B3)	1..70Vdc
Input current range	-600..+600A2)
Battery capacity range	10..10000Ah
Operating temperature range	-20..+50°C
Storage temperature range	-30..+70°C
Readout Resolution	
Voltage (0..70V)	± 0.01V
Current (0..10A)	± 0.01A
Current (10..100A)	± 0.1A
Current (100..600A)	± 1A
State of Charge (0..100%)	± 1%
Time remaining (0..24hrs)	± 1min
Time remaining (24..240hrs)	± 1hr
Amphours (0..10000Ah)	± 0.01Ah..10Ah (variable)
Power (0..42kW)	± 0.01W..1kW (variable)
Temperature (-20°C..+50°C)	± 0.5°C
Voltage measurement accuracy	± 0.3%
Current measurement accuracy	± 0.4%
Shunt Dimensions:	
Footprint	100 x 100mm
Base height	24.0mm
Total height	64.5mm
Weight	290grams
Display Dimensions	
Front panel	Ø 64.0mm
Body diameter	Ø 51.5mm
Total depth	36.0mm
Weight	70grams
Protection class	IP20 (CDU front panel only IP65)
Standards	CE certified (EMC Directive 2014/30/EU) including EN50498 Automotive EMC