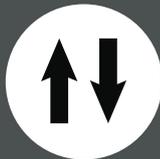


12V 100A DC-DC CHARGER



Dual DC Inputs

Charge your battery from Alternator or MPPT Solar input for up to 100A of charging output



Multi-Stage Charging

The advanced charging algorithms and multi-stage process ensure your battery is ready for use faster



MPPT Solar Charging

The integrated MPPT solar regulator delivers up to 80A output from your solar panel, ensuring fast and efficient battery charging



Intelligent Regulated Output

The DC-DC charger automatically monitors and regulates its output, adjusting according to the battery's specific requirements for optimal charging for optimal charging and load support



Fan Cooled

For optimum performance, the DC-DC charger is fan cooled to provide consistent output even in high ambient temperatures



Remote Display Included

Included with the charger is a fully programmable remote LCD display panel, allowing for easy, remote monitoring and control of your unit

DC-DC ULTRA FAST CHARGING

Engineered for high-output systems, this solution is the perfect match for vehicles, trucks, caravans, motorhomes, and marine vessels equipped with large alternators. Experience superior efficiency with a fully programmable remote LCD display and intelligent multi-stage charging.

12V 100A Output Current
Delivers a powerful 12V output at up to 100A, ideal for fast-charging large battery banks and supporting high-demand 12V systems

Fan Cooled
For optimum performance, the DC-DC charger is fan cooled to provide consistent output even in high ambient temperatures

MPPT Solar Charging
The integrated MPPT solar regulator delivers maximum output from your solar PV, ensuring fast and efficient battery charging

Remote Display Included
Fully programmable remote LCD display panel, allowing easy remote monitoring and control



Multi-Stage Charging
The advanced charging algorithms and multi-stage process ensure your battery is ready for use faster and has an extended lifespan

Intelligent Regulated Output
The DC-DC charger automatically monitors and regulates its output, adjusting accordingly to the battery's specific requirements for optimal charging

Adjustable Output
Can be adjusted from 10 amps to 100 amps in 10 amp increments to suit your needs

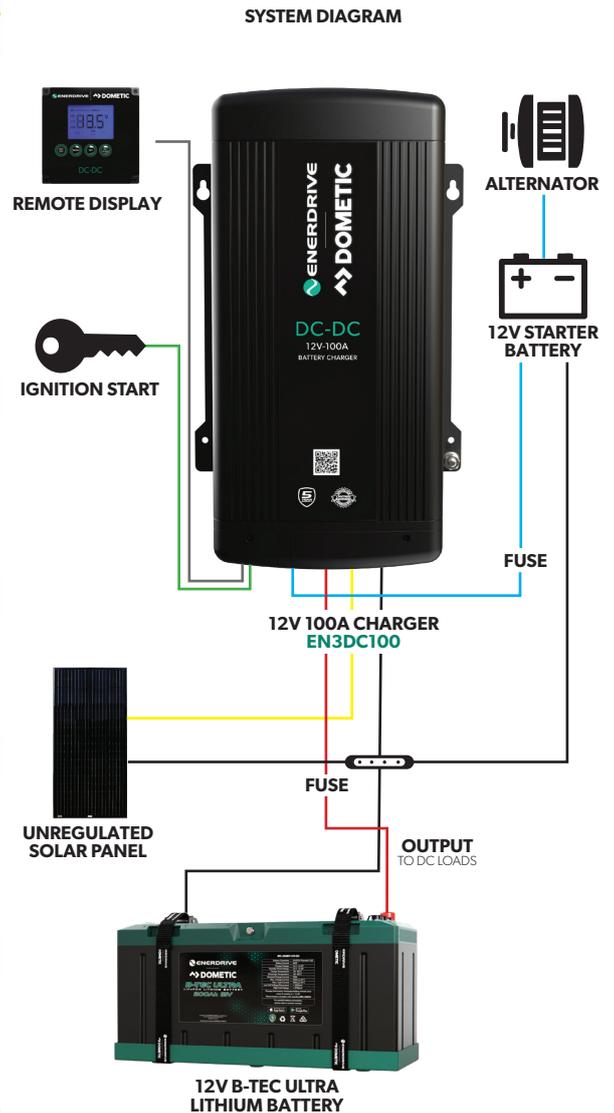
Dual DC Inputs
Charge your battery from Alternator input (up to 100A) or MPPT Solar input (up to 80A) for ultra-fast charging

Designed for large 4WDs and Utes with high-output alternators (180A+). Consult your vehicle handbook or dealer to confirm compatibility.



SPECIFICATIONS

Product Model	EN3DC100
DC Output	
Max Output Current	100A
Output Voltage Range (Bulk)	13.8 - 14.8V
Output Voltage Range (Float)	13.0 - 13.8V
Output Voltage Range (Equalise)	15.5V
Charging Control	4 Stages: Test/Bulk/Absorption/Float
DC Output Bank	One
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program, and Flooded batteries (w/ equalisation for Flooded batteries)
Parasitic Current	< 500 uA
Efficiency	> 90%
DC Input (Battery/Alternator)	
Input Range	10.5 - 16V / 135A Max.
Input Nominal Operation	13.2V for 12V Input charging system
Engine Start Control ON	Battery/Alternator
Engine Start Control OFF	PV Input
Maximum Input Current	100A
DC Input (PV Input)	
DC Input Range	16.5 - 55VOC/80A Max.
DC Input Nominal Operation	17.5Vdc for 12V PV Panels in parallel 35.0Vdc for 12V PV Panels in series
MPPT Tracking Efficiency	>98%
Remote Display Panel	
Digital Display	Backlit LED display
Display	Voltage, Current, Status, Error
Dimensions	100 x 100mm
Weight	0.4kg
Communication	CANBUS
Protection and Features	
Dimensions	356 x 205 x 97 mm
Weight	3.23kg
Storage Range	-40° to 70° C
Optimal Operating Range	-20° to 40° C
Ingress Protection	IP32 (for mounting in cool, dry locations)
DC Output Protection	Reverse Battery, Short Circuit, Over Charge, Over Temperature
Cooling	Forced Air Ventilation
Battery Temperature Sensor Port	RJ12 (optional)
Digital Display Port	RJ12
Warranty	5 Years



SCAN FOR
MORE INFO

Phone: 1300 851 535

Email: sales.enerdrive@dometic.com

Visit: enerdrive.com.au

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