

12V 100A DC-DC Battery Charger - Dometic Mobile Power (Enerdrive)

SKU	EN3DC100
Output Current (MAX)	100A
Output Voltage	12Vdc Nominal
Charger DC Output - House Battery (CH1)	
Output Voltage Range (Bulk)	13.8 - 14.8Vdc
Output Voltage Range (Float)	13.0 - 13.8Vdc
Charger Output Current	10 - 100A (Selectable)
Output Voltage Range (Equalise- Flooded Battery Only)	15.5Vdc
Equalise Charging Current	10% of BULK current setting
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)
Current Draw from House Battery (CH1) with unit ON	< 600mA
Current Draw from House Battery (CH1) with unit OFF (Standby)	< 1mA
Minimum Operation Voltage House Battery (CH1)	8.0Vdc
Efficiency	> 95%
DC Input (PV Solar Input) - (CH2)	
DC Input Voltage Range Solar (CH2)	14.5 - 55Vdc/80A Max.
DC Input Power Range Solar (CH2)	1200W Max for 12V Panels 2000W Max for 24V Panels (Max voltage 55v)
DC Input Nominal Operation	17.5Vdc for 12V PV Panels in parallel 35.0Vdc for 12V PV Panels in series
MPPT Tracking Efficiency	>98%
DC Input (Start Battery/Alternator (CH3)	
Input Voltage Range	10.5 - 16Vdc / 135A Max.
Vehicle Input Startup Voltage when COM1 (12V Ignition sense) is connected	11.7 - 12.6Vdc
Vehicle Input Startup Voltage when COM1 (12V Ignition sense) is NOT connected	>12.7Vdc
Engine Start Control ON	Start Battery/Alternator
Engine Start Control OFF	PV Input
Maximum Input Current	100A

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Remote Display Panel	
Digital Display:	Backlit LED display
Display	Voltage, Current, Status, Error
Remote Display Dimensions	100 x 100mm
Weight	0.4kg
Communication	CANBUS
Protection and Features	
Charger Overall 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 *(refer to manual for details)
Cooling	Forced Air Ventilation
Battery Temperature Sensor Port	RJ12 (optional)
Digital Display Port	RJ12
Warranty	5 Years