

# 30A Multi-Volt DC-DC Buck Booster Battery Charger with Solar Input

Part No: DIBC1224-1230



- 30A output capability
- Unique solar charging mode to suit long-term vehicle storage
- Full polymer encapsulation to protect against vibration, water and dust
- Solar input reverse polarity protection
- Smallest footprint in its class
- Compatible with smart alternators
- Dual-mode solar controller optimises the PWM function for dusk and dawn. It then automatically changes to MPPT mode for peak solar periods

More Information Overleaf 

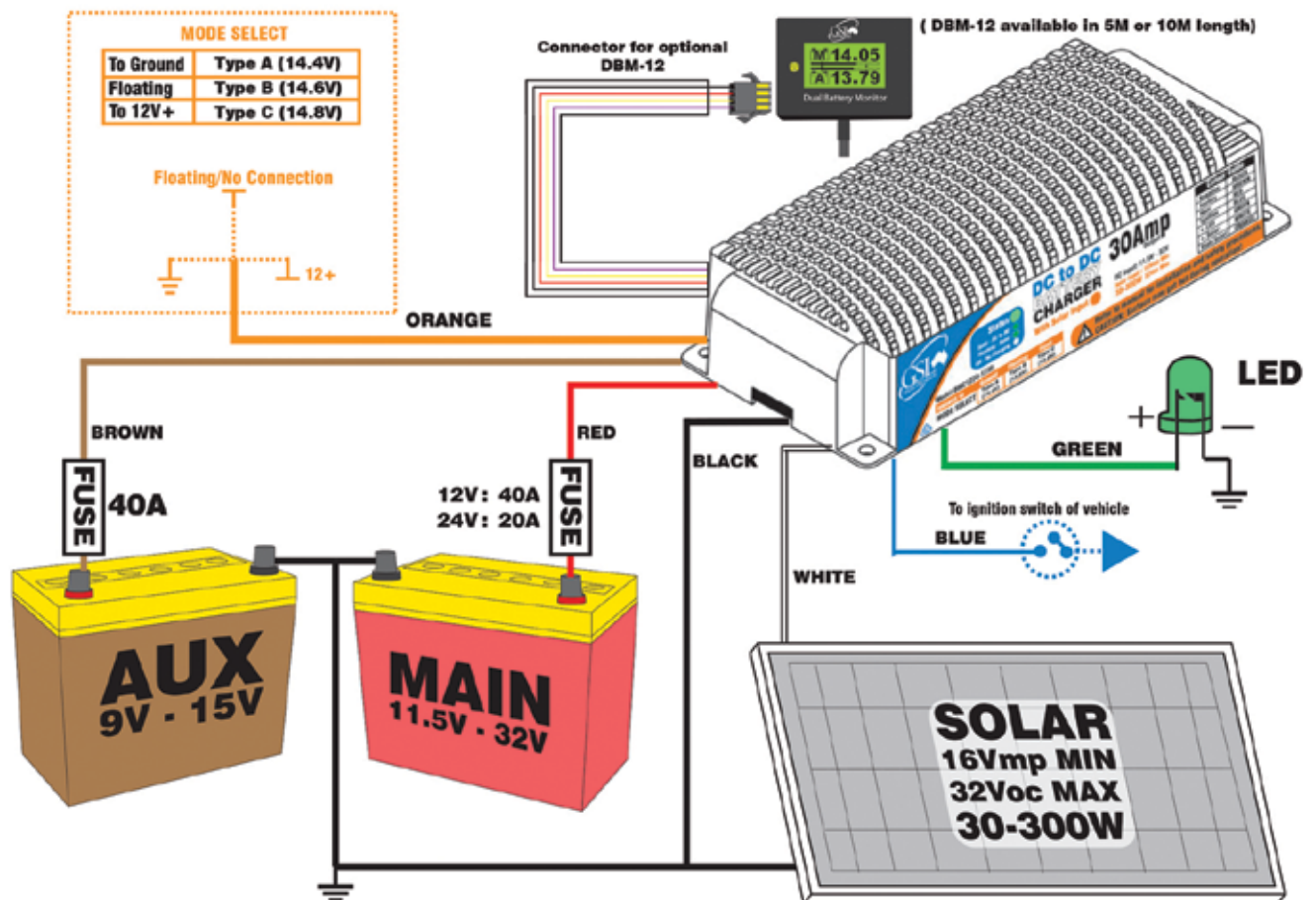
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AUS: [www.cooldrive.com.au](http://www.cooldrive.com.au)

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Specifications	
Maximum Charge Current	30 Amps
Input Operating Voltage Range	11.5V to 32V
Maximum Charge Voltage Type A	14.4V
Maximum Charge Voltage Type B	14.6V
Maximum Charge Voltage Type C	14.8V
Solar Panel Power	30W - 300W
Solar Panel $V_{MP\ min} / V_{OC\ max}$	16V / 32V
Stand by Current	0.03A
Maximum Operating Temperature	70°C
Automatic Derating Above 40°C	1A/°C
Dimensions	162mm x 71.5mm x 32.2mm
Weight	560g

## Typical Installation



### LED



Auxiliary battery charging from vehicle system



Auxiliary battery charging from Solar Panel



Auxiliary battery not being charged. Normally when vehicle is off or if solar panel connected when no daylight present.

