

LIBERGRID

DC-DC Charger

12VDC

DM1230S / DM1260S



The DM DC-DC charger series is designed for recreational vehicles, providing fast and reliable charging of auxiliary batteries from the alternator while driving. Compatible with Euro 6 smart alternators, it ensures stable output and full charging without overcharging or undercharging.

The latest DM models offer improved continuous charging and support the TBB and DTU-BLE Bluetooth module for monitoring and configuration via mobile APP.

Features

- Fast and reliable charging for auxiliary batteries
- Compatible with Euro 6 engines and smart alternators
- Intelligent voltage and current regulation protects auxiliary batteries
- Supports TBB DTU-BLE Bluetooth module for monitoring and configuration via mobile APP
- TBB multi-stage charging algorithm with automatic temperature compensation
- Non-isolation design with max efficiency 96%
- Plug and Play for easy installation
- Fanless natural cooling
- Reverse Charging: maintains starter battery with up to 3A charge to prevent drainage and ensure reliable engine starts
- Supports RS485 communication
- Comprehensive protection: input/output overvoltage, battery low voltage, and more





APP



DTU-BLE

- Compact & light-weight design
- Convenient installation at any open space
- Available for TBB systems & products
- Support Bluetooth & RS485
- Enables DC-DC charger status monitoring via the App

Model NO.	DM1230S		DM1260S
Electrical			
Alternator input voltage range (default setting)	13.2-16VDC		
Automatic activation D+	Yes		
Absorption charge voltage (default setting)	14.6VDC		
Float charge voltage (default setting)	13.5VDC		
Charge current (max)	30A	60A	
Total current of load and charging (max)	30A	60A	
Maximum charging efficiency	96%		
Temperature compensation	Default Setting: -3mV/°C/cell		
Charge algorithm	TBB premium II multi stage		
Protection	Battery charger over temperature, battery over temperature, over load, short circuit		
Back-charging function	Standard		
Communication	RS485, RJ45 connector		
Storage temperature	-40°C ~ +70°C		
Operating temperature	-40°C ~ +70°C		
Enclosure			
Battery connection	Cable with connector		
Protection category	IP20		
Weight	1.0kg	1.2kg	
Dimensions (W×H×D) (mm)	181 × 148 × 52	181 × 148 × 67	
Standard			
Emission	ECE 10R-06, EN61000-6-1, EN61000-6-3		

