

# Battery Charger

# NEMO series

## -12vdc/24vdc

DMT1250 / DM1230 / DM1245 / DM2430

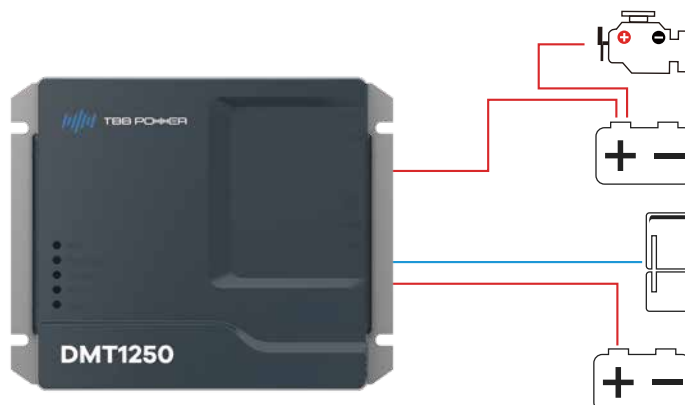


DMT/DM draws power from alternator to perform a right and quick charging for auxiliary battery while you are driving. Compatible with Euro 6 engine, DMT/DM could maintain the charging with a stable output with smart alternator to assure your battery getting a fully charging in the shortest time without worry about overcharging or undercharging.

DMT model with a by-pass output (current up to 20A) to power DC load (typically an AES fridge). This DC load could be powered either by engine ON only or OFF via working mode setting.

## Features

- Compatible with Euro 6 engine
- Right charging solution protect your auxiliary battery by regulating voltage and control current
- Saving battery cable through current control
- TBB premium II multistage adaptive charging algorithm
- Built-in automatic temperature compensation
- Dual outputs, separate circuits for charging battery and powering DC load (For DMT1250 only)
- Built in BLVP
- Non-isolation design with max efficiency 96%
- Euro-6 engine (Smart alternator) compatible
- Plug and Play for easy installation
- Built-in fuse protection
- Natural cooling without fan
- Supports RS485 or CAN communication
- Protection against input/output over voltage etc.



Model No.	DMT1250	DM1230	DM1245	DM2430
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## Electrical

Alternator input voltage range	Default Setting: 13.2-16VDC		Default Setting: 26.4~32VDC	
Automatic activation D+ or ACC	Yes			
Absorption charge voltage	Default Setting: 14.6VDC		Default Setting: 29.2VDC	
Float charge voltage	Default Setting: 13.5VDC		Default Setting: 27VDC	
Charge current	30A		45A*	30A
Load bypass current	20A	NA	NA	NA
Total current of load and charging	50A	30A	45A	30A
Charge efficiency	MAX 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			
Storage temperature	-40 C ~ +70 C			
Operating temp	-40 C ~ +60 C			

## Enclosure

Battery connection	Cable with connector			
Protection category	IP20			
Weight (kg)	1.0			
Dimensions (mm)	181 x 148 x 52			

## Standard

Emission	EN61000-6-3			
Immunity	EN61000-6-1			
Automotive	ECE-10-6			

\* The max charge current is 45A. It could be set to less than 45A (For example, 40A) to fit capacity of chassis.

