

NEMO DX

booster charger



PURSUIT OF PERFECTION

VCR/Isolator doesn't regulate voltage or control the current

Battery will be cooked or not get full charge due to unregulated voltage

Euro 6 engine (Smart alternator) will deteriorate situation as wider voltage output



NEMO as a perfect charging solution

NEMO draws power from alternator to perform a right and quick charging for auxiliary battery while you are driving. Compatible with Euro6 engine, NEMO 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.

- Compatible with Euro 6 engine
- Right charging solution protect your auxiliary battery by regulating voltage and control current
- Saving battery cable through current control
- Eliminate ripple current
- Protect your investment on battery
- With function of battery isolation, protecting starter battery
- IP65 without fan for convenient installation
- TBB premium II multistage charging algorithm for various chemicals including LPE
- Built in automatic temperature and voltage compensation
- Model with built in MPPT is available
- IP65

Energy assured, work guaranteed

Grid charger will be a solution to charge the auxiliary battery. However, this solution is not dependable for all vehicles especially when you do not have such facility upon parking at night.

NEMO booster charger could offer an intermittent charging for auxiliary battery, which assures the enough reserved energy to guarantee a daily work without shore power engaging.

Cost reduction, investment protection

An intermittent charging helps to reduce battery size. Meanwhile a right charging not only makes full use of designed capacity of a battery, but also increases the battery service life against overcharging or undercharging by the built-in temperature compensation, which protects your investment.

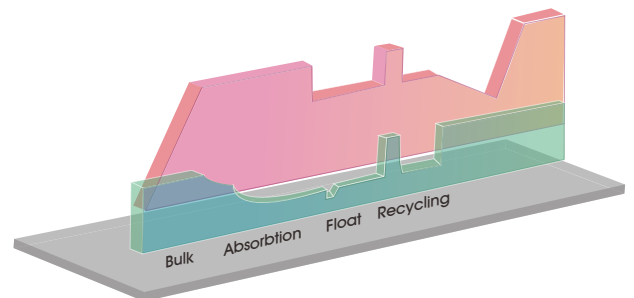


Built tough

NEMO features sealed against dust and moisture. You can be assured it can handle the harsh environment commercial vehicle might encounter. All series operate up to 80°C with derated output, allowing a flexible installation options.

TBB premium II adaptive charging

Features adaptive charging, NEMO takes multiple factors into consideration upon perform a multi stages charging, including temperature, current and time. It will assure the right charging at any environment and look after the aged battery as well.

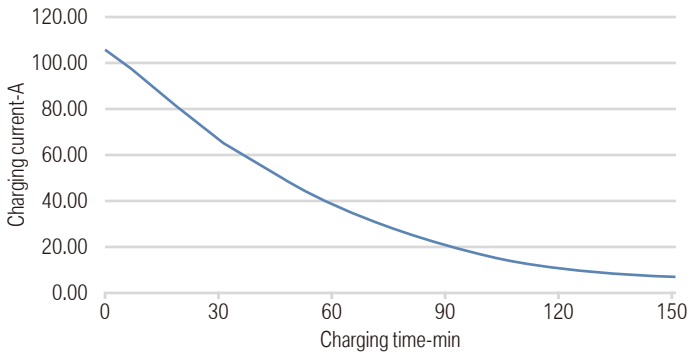


Lithium battery compatible

NEMO booster charger could deliver a proper charging for lithium battery which is normally very sensitive to voltage. In the meantime, it is designed with built-in temperature regulated charging algorithm which is important for lithium battery under cold environment temperature.

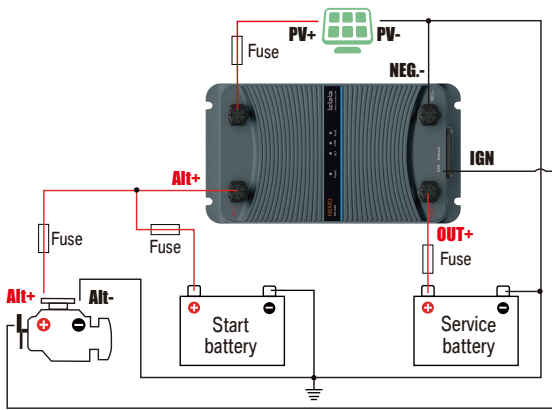
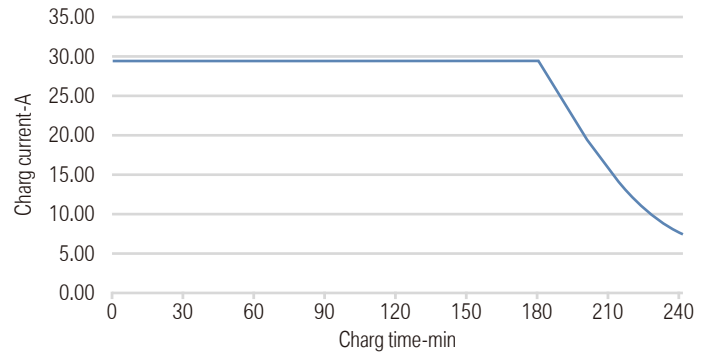
Charging test data of alternator

- With alternator output voltage at 13.8V
- Battery voltage 10.8V
- Ambient temperature 22.0°C



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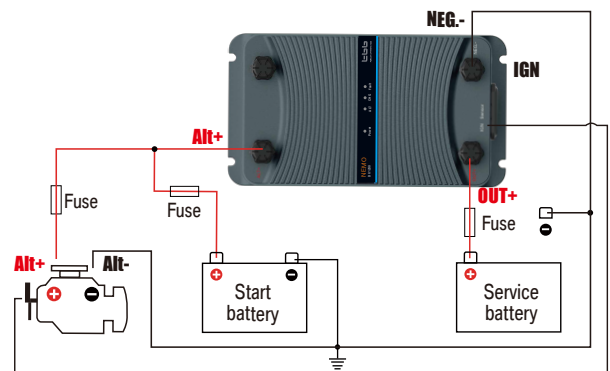
DDX1230

- Dual inputs from alternator and solar panel
- Max Power Point Tracking (MPPT) technology
- Float charge for starter battery
- IDDX is available with function of programmable and communication port



DX1230/DX2415/DX1224-15

- DX is a converter charger available with 12Vdc model and 24Vdc model
- IDDX is available with function of programmable and communication port



Perfect charging solution while driving for dual battery system



Model No.	DX1230	DDX1230	DX2415	DX1224-15
Electrical				
Alternator input voltage range (Intelligent type)	12 - 16 VDC	12 - 16 VDC	24 - 32 VDC	12 - 16 VDC
Alternator input voltage range (tradition type)	13.2 - 16 VDC	13.2 - 16 VDC	26.4 - 32 VDC	13.2 - 16 VDC
Automatic activation - D+			yes	
PV Input voltage range	N/A	12 - 25V	N/A	N/A
Absorption charge voltage (AGM Battery)	14.4V	14.4V	28.8V	28.8V
Float charge voltage (AGM Battery)	13.5V	13.5V	27V	27V
Charge current	30A	30A	15A	15A
Charge Efficiency			MAX 97%	
Temperature compensation			yes	
Voltage compensation			yes	
Charge algorithm			TBB premium II multi stage	
Protection			Battery charger over temperature; Battery over temperature; Over load; short circuit	
Operating temp			-20°C -- + 60°C	
Enclosure				
Material & Color			Aluminum with anodized, flame proof plastic	
Battery connection			M8	
Protection category			IP65	
Weight			0.8 kg	
Dimensions (h*w*d)			60 mm x 102.3 mm x 186.3 mm	
Standards				
Safety			EN60335-1,EN60335-2-29	
Emission			EN55014-1,EN55014-2,EN61000-3-2,EN61000-3-3	