

Charge Fully Drained Batteries Up To 500Ah.

Cars, Trucks, RVs, Equipment, Tractors, Aircraft, And Other Large Applications.

Ultra-compact, rugged, and portable UltraSafe® Smart Charger. Features spark proof technology and reverse polarity protection. Charges 2X faster than ordinary chargers. Stay connected 24/7 with zero overcharge.



Start-Stop.

Counteracts increased cyclic energy demands placed on batteries in micro-hybrid vehicles.



Firewall. Multi-level safety barrier prevents unsafe and abnormal conditions.



Optimization.

Stabilizes internal battery chemistry for increased performance and longevity.

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Load Tracking.

Dynamically changes charge current when a load is placed on the battery.



Diagnostics.

Intuitive visual diagnostic tool for detecting reverse polarity, low-voltage or damaged batteries.



Energy Save.

Thermal Monitor.

Minimizes energy consumption when full power is not needed.

Internal temperature sensors adjust

charge based on ambient climate.

Protects against reverse polarity,

sparks, over-charging, overcurrent,



Recovery.

Applies a high-voltage pulse charge when low-voltage, sulfation, or lost capacity is detected.



Rugged.

Dirt, water, UV, impact and crush resistant.



CANBUS.

Automatically enables the charging port to charge CANBUS systems.



Maintenance Plus.

Keeps the battery fully charged without over-charging, indefinitely.



Rapidly charge and start vehicles with drained batteries safely in 5 minutes

Charge **12V** Batteries Up To 500Ah. **16V**&**24V** Batteries Up To 250Ah.





Safe.



SAFE



Interactive. Alters the charging process based on organic battery feedback.

restarted

open-circuits and overheating. Returns to last-selected mode when

Charging Modes

Mode	Explanation	12V LITHIUM	14.2V 26A Up To 500Ah Batteries For charging 12-volt lithium-ion batteries, including lithium iron phosphate. When selected, a blue LED will illuminate.	
	No Power	Press & Hold		
Standby	In standby mode, the charger is not charging or providing any power to the battery. Energy Save is activated during this mode, drawing microscopic power from the electrical outlet. When selected, an orange LED will illuminate.	12V AGM+ Press & Hold	15.5V 26A Up To 500Ah Batteries For charging 12-volt advanced AGM batties, which requires a higher than normal charging voltage. When selected, a blue LED will illuminate.	
12V NORM	14.5V 26A Up To 500Ah Batteries For charging 12-volt Wet Cell, Gel Cell, Enhanced Flooded, Maintenance-Free and Calcium batteries. When selected, a white LED will illuminate.	16V LITHIUM Press & Hold	19.45V 20A Up To 250Ah Batteries For charging 16-volt lithium-ion batteries, including lithium iron phosphate, which are commonly used in racing vehicles. When selected, a blue LED will illuminate.	
12V	14.8V 26A Up To 500Ah Batteries For charging 12-volt batteries in cold temperatures below 50°F	16V	19.6V 20A Up To 250Ah Batteries	
AGM illuminate.		AGM Press & Hold	For charging 16-volt AGM batteries, which are commonly used in racing vehicles. When selected, a blue LED will illuminate.	
24V	29V 13A Up To 250Ah Batteries For charging 24-volt, Wet Cell, Gel Cell, Enhanced Flooded,	13.6V	13.6V 5A Max 6A Converts to a DC power supply for powering any 12V DC device,	
NORM	Maintenance-Free and Calcium batteries. When selected, a white LED will illuminate.	SUPPLY Press & Hold	like a tire inflator, oil changer, or as a memory retainer when replacing a battery. When selected, a red LED will illuminate.	
24V	29.6V 13A Up To 250Ah Batteries For charging 24-volt batteries in cold temperatures below 50°F	12V	16.5V 1.5A Any Capacity An advanced battery recovery mode for repairing and storing old	
COLD/ AGM	(10°C) or AGM batteries. When selected, a blue LED will illuminate.	REPAIR Press & Hold	damaged, stratified, or sulfated batteries. When selected, a red LED will illuminate and flash.	

Technical Specifications

Input Voltage AC:	110-120 VAC, 50-60Hz	Type of Batteries:	12V, 16V & 24V
Working Voltage AC:	85-130 VAC, 50-60Hz	Battery Chemistries:	Wet, Gel, MF, CA, EFB, AGM, LIB
Efficiency:	85% Approx.	Battery Capacity:	Up To 500Ah (12V), Up To 250Ah
Power:	443W Max		(24V), Maintains All Battery Sizes
Low-Voltage Detection:	2V (12V), 2V (16V), 14V (24V)	Housing Protection:	IP44
Back Current Drain:	<5mA	Cooling:	Fan Cooled
Ambient Temperature:	0°C to +40°C, 32°F to +104°F	Dimensions (LxWxH):	12.1 x 5.7 x 3.2 in (307 x 145 x 81mm)
Charger Type:	8 Step, Smart Charger	Weight:	5.09 Pounds (2.31 kg)



NOCO Since 1914