

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

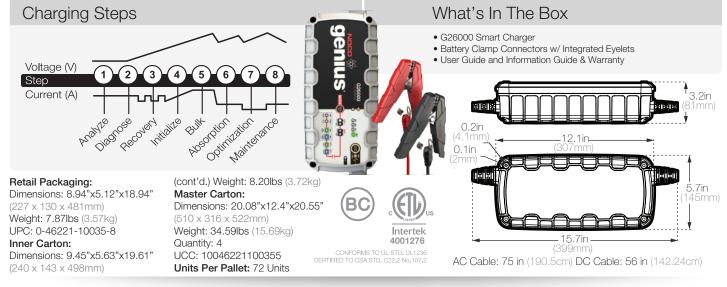
open-circuits and overheating. Returns to last-selected mode when

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) |
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NOCO Since 1914