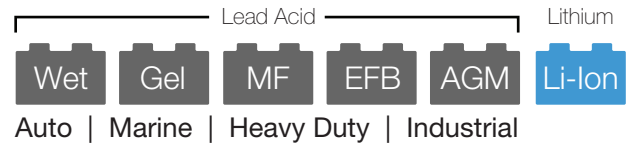# GX4820 48V 20A

UltraSafe Industrial Charger™

NOCO®

Industrial™

genius® GX4820

Charge Fully Drained Batteries Up To **425Ah**. Waterproof And Tamperproof.

Perfect for industrial vehicles, high-powered tools, daily use vehicles and more.

Ultra-compact, rugged, tamperproof, and waterproof, the industrial charger can be mounted directly onto a variety of surfaces or equipment. Features **spark proof technology** and **reverse polarity protection**. Charges **2X faster** than ordinary chargers. Stay connected 24/7 with **zero overcharge**.

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

Optimization.
Stabilizes internal battery chemistry for increased performance and longevity.

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

Energy Save.
Minimizes energy consumption when full power is not needed.

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

Safe.
Protects against reverse polarity, sparks, over-charging, overcurrent, open-circuits and overheating.

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

Rugged.
Dirt, water, UV, impact and crush resistant.

Opportunity Charge.
Designed to rapidly charge batteries in applications where charging is intermittent between use.

Charge **48V** Batteries Up To 425Ah.

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NOCO
Since 1914

Charging Modes

Mode	Explanation
Standby	**No Power** 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.
48V NORM	**57.6V | 20A | 55-425Ah** For charging 48-volt Wet Cell, Gel Cell, Enhanced Flooded, Maintenance-Free and Calcium batteries. When selected, a white LED will illuminate.
48V Cold/ AGM	**58.8V | 20A | 55-425Ah** For charging 48-volt batteries in cold temperatures below 50°F (10°C) or AGM batteries. When selected, a blue LED will illuminate.
AGM+	**62.4V | 20A | 55-425Ah** For charging advanced AGM batteries, which requires a higher than normal charging voltage. When selected, a blue LED will illuminate.
LI-ION	**58.4V | 20A | 55-425Ah** For charging lithium-ion batteries, including lithium iron phosphate. When selected, a blue LED will illuminate.
Repair	**64V | 5A | Any Capacity** An advanced battery recovery mode for repairing and storing, old, idle, damaged, stratified or sulfated batteries. When selected, a red LED will illuminate and flash.
Supply	**54.4V | 10A** Converts to a DC power supply. When selected, a red LED will illuminate.

Technical Specifications

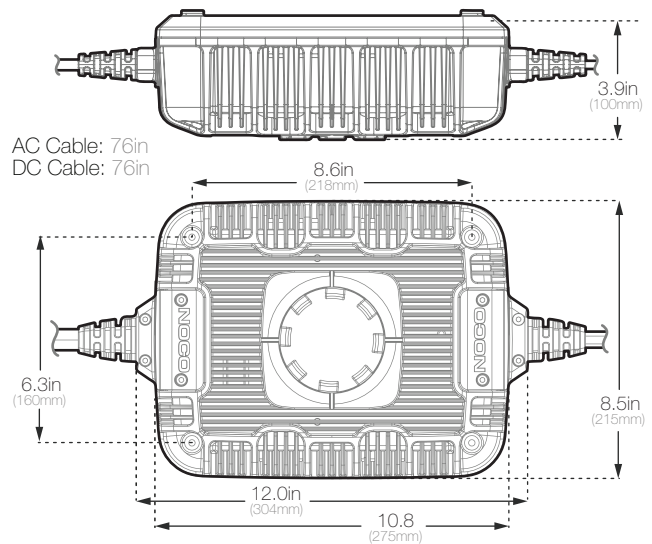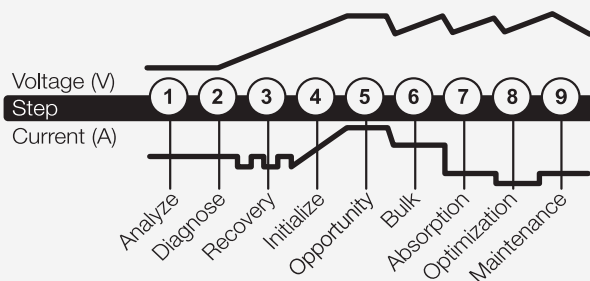|			
Input Voltage AC:	100-240 VAC, 50-60Hz	Type of Batteries:	48V Lead-Acid & Lithium
Working Voltage AC:	85-240 VAC, 50-60Hz	Battery Chemistries:	Wet, Gel, MF, AGM, EFB, LIB
Power:	960W Max	Battery Capacity:	55-425Ah, Maintains All Battery Sizes
Efficiency:	92% Approx.		
Charging Voltage:	57.6V	Housing Protection:	IP66
Back Current Drain:	<5mA	Cooling:	Natural Convection
Operating Temperature:	-20°C to +50°C	Dimensions (LxWxH):	12 x 8.5 x 3.9 Inches
Charger Type:	9 Step, Fully Auto., Switch-Mode	Weight:	13.2 Pounds

What's In The Box

- GX4820 Smart Industrial Charger
- AC Cable Plug Type B & DC Cable W/ HD Eyelets
- User Guide and Information Guide & Warranty

Charging Steps

Voltage (V)
Step: 1 2 3 4 5 6 7 8 9
Current (A)

Analyze · Diagnose · Recovery · Initialize · Opportunity · Bulk · Absorption · Optimization · Maintenance

AC Cable: 76in
DC Cable: 76in

8.6in (218mm)
3.9in (100mm)
6.3in (160mm)
8.5in (215mm)
12.0in (304mm)
10.8 (275mm)

Master Carton:
Dimensions:
18.32"x13.00"x11.75"
Weight: 28.99lbs
Quantity: 2
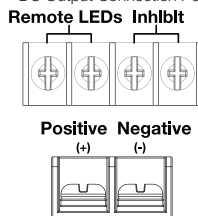UCC: 10046221150084
Units Per Pallet: 80 Units

Inner Carton:
Dimensions:
17.72"x11.14"x6.14"
Weight: 14.50lbs
UPC: 0-46221-15008-7

DC Output Connection Port
Remote LEDs   Inhibit

Positive   Negative
(+)   (-)

CONFORMS TO UL STD. UL1236
CERTIFIED TO CSA STD. C22.2 No.107.2

BC

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Intertek
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Inhibit Port (Optional For Operation)
The Inhibit Port contains a Relay rated at 20A. When the Charger has AC power, the relay will close allowing current flow. When the charger is removed from AC power, it takes approximately 15 seconds for the capacitors to discharge and the relay to open.

Remote LEDs Port (Optional For Operation)
The Remote LEDs Port can be used to connect LEDs for easy monitoring when the charger's LEDs are not accessible. The port supports two LEDs, reversing polarity to change from "Charging" to "Charged."