G1100 1.1A 6V&12V

Lead Acid					Lithium
Wet	Gel	MF	EFB	AGM	Li-Ion

Auto | Marine | RV | Powersport | Lawn & Garden

UltraSafe® Battery Charger™

Charge Fully Drained Batteries Up To **40Ah**. Maintain All Battery Sizes.

ATVs, Lawn Mowers, Motorcycles, Cars, Trucks, Boats, RVs, Tractors, Equipment, And More.

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.

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.
Minimizes energy consumption when full power is not needed.

Thermal Monitor.
Internal temperature sensors adjust charge based on ambient climate.

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

Memory.
Returns to last-selected mode when restarted.

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

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.

Charge **6V**&**12V** Batteries Up To 40Ah. Maintain All Battery Sizes.

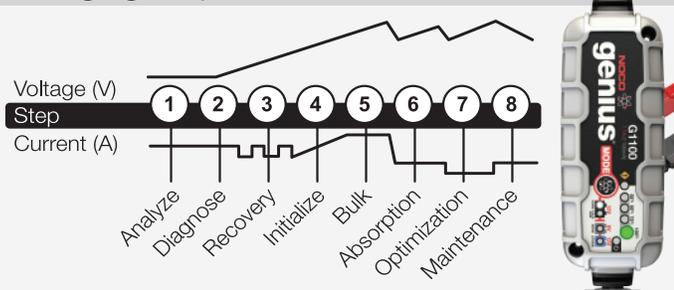## Charging Modes

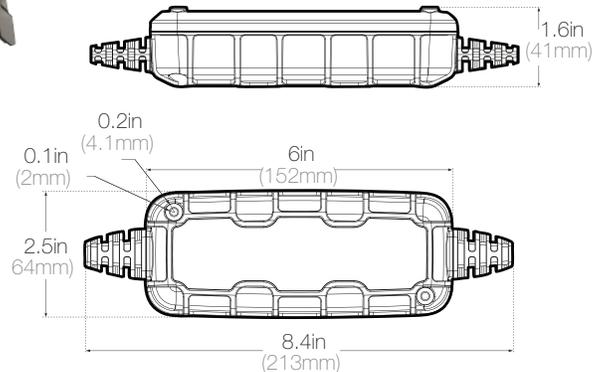| Mode	Explanation		
Standby	**No Power** In standby mode, the charger is not charging or providing any power to the battery. Energy Save is activated during this mode, drawing microscopic power from the electrical outlet. When selected, an orange LED will illuminate.		
12V NORM	**14.5V | 1.1A | Up To 40Ah Batteries** For charging 12-volt Wet Cell, Gel Cell, Enhanced Flooded, Maintenance-Free and Calcium batteries. When selected, a white LED will illuminate.	**6V NORM** Press & Hold	**7.25V | 1.1A | Up To 40Ah Batteries** For charging 6-volt, Wet Cell, Gel Cell, Enhanced Flooded, Maintenance-Free and Calcium batteries. When selected, a white LED will illuminate.
12V COLD/ AGM	**14.8V | 1.1A | Up To 40Ah Batteries** For charging 12-volt batteries in cold temperatures below 50ºF (10ºC) or AGM batteries. When selected, a blue LED will illuminate.	**12V LITHIUM** Press & Hold	**14.2V |1.1A | Up To 40Ah Batteries** For charging 12-volt lithium-ion batteries, including lithium iron phosphate. When selected, a blue LED will illuminate.

Technical Specifications

Input Voltage AC:	110-120 VAC, 50-60Hz	Type of Batteries:	6V & 12V
Working Voltage AC:	85-130 VAC, 50-60Hz	Battery Chemistries:	Wet, Gel, MF, CA, EFB, AGM, LIB
Efficiency:	85% Approx.	Battery Capacity:	Up Tp 40Ah (12V), Up To 40Ah (6V), Maintains All Battery Sizes
Power:	30W Max		
Low-Voltage Detection:	2V (12V), 2V (6V)	Housing Protection:	IP65
Back Current Drain:	<5mA	Cooling:	Natural Convection
Ambient Temperature:	0°C to +40°C, 32°F to +104°F	Dimensions (LxWxH):	6.0 x 2.5 x 1.6 in (152 x 64 x 41mm)
Charger Type:	8 Step, Smart Charger	Weight:	0.81 Pounds (0.37 kg)

Charging Steps

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

Analyze — Diagnose — Recovery — Initialize — Bulk — Absorption — Optimization — Maintenance

What's In The Box

• G1100 Smart Charger
• Battery Clamp Connectors w/ Integrated Eyelets
• User Guide and Information Guide & Warranty

1.6in (41mm)

0.2in (4.1mm)
0.1in (2mm)
6in (152mm)
2.5in (64mm)
8.4in (213mm)

AC Cable: 75 in (190.5cm)
DC Cable: 56 in (142.24cm)

BC

c ETL us
LISTED
Intertek
4001276
CONFORMS TO UL STD. UL1236
CERTIFIED TO CSA STD. C22.2 No.107.2

NOCO
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