

12V GEN SERIES



WATERPROOF ON-BOARD BATTERY CHARGERS.™

IP68 100% WATERPROOF.
The GEN series is 100% waterproof and designed to withstand hours underwater. On-board chargers built for extreme conditions.

0.0V FORCE MODE.
For extremely dead batteries lower than 1-volt, manually turn on force mode to detect and charge batteries all the way down to zero volts.

24/7 ZERO OVERCHARGE.
Safely charge any battery year-round. Charge continuously without user intervention and with zero risk of overcharging your battery.

12V MULTI-CHEMISTRY. MULTI-TYPE.
Charge flooded, gel, maintenance-free, AGM, and lithium batteries. For use with starter, deep-cycle, marine batteries, and more.



30339 Diamond Parkway, #102
Glenwillow, OH 44139 | USA
1.800.456.6626

no.co

LEAD ACID



STARTER | DEEP CYCLE | DUAL-PURPOSE



CHARGING MODES

12V

Used for 12V wet cell, gel, enhanced flooded, maintenance-free, & calcium batteries.



AGM

Used for 12V AGM or maintenance-free batteries.



LITHIUM

Used for 12V lithium-ion batteries (including lithium iron phosphate). Only for batteries with Battery Management Systems (BMS).



REPAIR

Used to repair old, idle, damaged, stratified, or sulfated batteries.



FORCE MODE

Used to charge batteries below 1V. All charge mode LED's will flash and the selected mode will illuminate. Management Systems (BMS).



ADVANCED DIAGNOSTICS

STANDBY

The charger is in standby or the battery voltage is too low for the charger to detect.



BAD BATTERY

There is a possible battery short or the battery will not hold a charge. Consult a professional.



HIGH VOLTAGE

The battery voltage is too high for the selected charge mode. Check the battery and charge mode.



REVERSE POLARITY

Charger is connected to the battery in reverse. Reverse the connections.



THERMAL COMPENSATION.

The new integrated thermal sensor automatically monitors and adjusts the charging cycle based on fluctuations of ambient temperature. Avoids under-charging in cold weather down to -4°F and avoids over-charging in hot weather up to 104°F.

Battery Size CHARGING TIMES

20Ah	3hr
40Ah	6hr
80Ah	12hr
100Ah	15hr
120Ah	18hr

*Approximate charging times at 50% depth of discharge.



GEN5X1

GEN5X2

GEN5X3

CHARGING CURRENT:	5A	10A	15A
CURRENT PER BANK:		5A	
OUTPUT POWER:	72W	145W	220W
CHARGING BANKS:	1	2	3
DIMENSIONS:	4.6 x 2.9 x 1.9in (117 x 74 x 48mm)	6.4 x 4.7 x 2.1in (163 x 119 x 53mm)	7.1 x 5.7 x 2.2in (180 x 145 x 56mm)
WEIGHT:	1.85 lbs (0.84 kg)	4.17 lbs (1.89 kg)	5.76 lbs (2.61 kg)

WHATS IN THE BOX:	<ul style="list-style-type: none"> • GEN5X1 On-Board Battery Charger • (2) #8 27mm Self-Tapping Screws • User Guide & Warranty 	<ul style="list-style-type: none"> • GEN5X2 On-Board Battery Charger • (2) #8 27mm Self-Tapping Screws • User Guide & Warranty 	<ul style="list-style-type: none"> • GEN5X3 On-Board Battery Charger • (2) #8 27mm Self-Tapping Screws • User Guide & Warranty
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VOLUMETRICS:	Retail Packaging: Dimensions: 7.22" x 5.16" x 5.16" Weight: 1.85lbs UPC: 0-46221-19044-1	Master Carton: Dimensions: 11.77" x 8.03" x 11.5" Weight: 7.4lbs Quantity: 4 UCC: 10046221190448	Retail Packaging: Dimensions: 9.57" x 7.25" x 5.629" Weight: 4.404lbs UPC: 0-46221-19045-8	Master Carton: Dimensions: 15.55" x 10" x 12.125" Weight: 17.614lbs Quantity: 4 UCC: 10046221190455	Retail Packaging: Dimensions: 10.315" x 9.016" x 5.629" Weight: 7.189lbs UPC: 0-46221-19046-5	Master Carton: Dimensions: 10.905" x 9.606" x 12.125" Weight: 12.175lbs Quantity: 4 UCC: 10046221190462
	Inner Carton: Dimensions: 7.44" x 5.3" x 5.59" Weight: 2.95lbs	Units Per Pallet: 192 Units	Inner Carton: Dimensions: 9.57" x 7.25" x 5.63" Weight: 4.404lbs	Units Per Pallet: 120 Units	Inner Carton: Dimensions: 10.135" x 9.016" x 5.629" Weight: 6.09lbs	Units Per Pallet: 96 Units

TECHNICAL SPECIFICATIONS

INPUT/WORKING VOLTAGE AC:	120-240 VAC, 50-60Hz	AMBIENT TEMPERATURE:	-20°C to +50°C
LOW-VOLTAGE DETECTION:	1V (12V)	HOUSING PROTECTION:	IP68
BACK CURRENT DRAIN:	<0.5mA	COOLING:	Natural Convection



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