



# SERADA



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## Serada Limited

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Auckland 1730  
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44 Montgomerie Road  
Airpark Business Centre  
Mangere  
Auckland

# NITRO™

## Digital Automatic Battery Chargers



### FEATURES

- Charge 6 & 12 Volt Batteries
- 4 Stage Charging
- IP65 Waterproof Construction
- Anti-Spark Technology
- Reverse Polarity Protection
- Temperature Compensation
- Ultra Compact Design
- Simple Touch Button Control

# Sinergex™



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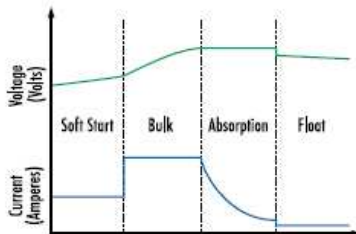
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# NITRO™

Sinergex Nitro™ series are advanced digital automatic battery chargers. Compact in size, Nitro chargers can literally fit in the palm of your hand. Constructed from ultra tough ABS plastic, the Nitro is IP65 water proof and suitable for almost any environment. Using microprocessors, the Nitro will assess the condition of your battery and then provide the optimum charge in 4 stages. The Nitro has the ability to recover severely discharged batteries with Soft Start Technology. During this charging stage the Nitro will deliver a soft charge or reduced current charge until the battery's voltage reaches 12 volts. The charging stages Bulk, Absorption and Float will then follow.

CHARGING CURVE



The Nitro includes Smart DC Battery Connectors for simple use and increased safety and performance. Built in voltage and temperature sensors measure the temperature and voltage at the battery terminals and automatically adjust the voltage for an optimum charge. The Smart Connectors also incorporate a warning buzzer and LED to warn of incorrect connection. The Smart connectors are also protected by Anti-Spark technology for safe operation.



The Nitro's Touch Button front panel allows you to control the charger at the touch of a finger. Simply select the voltage of the battery being charged, press the start button and the Nitro will do the rest. The user panel also features easy to read LED status indicators so you know when your battery is charged.

TECHNICAL SPECIFICATIONS	N-1000	N-3500
INPUT VOLTAGE	220-240 VAC	
INPUT FREQUENCY	50 Hz.	
NOMINAL OUTPUT VOLTAGE	7.2 VDC or 14.4 VDC (14.2 VDC GEL)	
OUTPUT CURRENT	1.0 AMPS DC MAX.	3.5 AMPS DC MAX.
CHARGE ALGORITHM	SOFT START, BULK, ABSORPTION, FLOAT	
EFFICIENCY	75%	
OPERATING TEMPERATURE	-20°C - +45°C AUTO COMPENSATION	
SUITABLE BATTERY TYPES	LEAD ACID, AGM, MF, GEL	
SHORT CIRCUIT PROTECTION	YES	
REVERSE POLARITY PROTECTION	YES	
BATTERY OVER VOLTAGE PROTECTION	YES	
CHARGER OVER HEAT PROTECTION	YES	
BATTERY OVER HEAT PROTECTION	YES	
DIMENSIONS	130 x 50 x 35 mm	160 x 70 x 40 mm
WEIGHT	0.35 KGS / 0.8 LBS	0.55 KGS / 1.25 LBS



Sinergex Technologies • [www.sinergex.com](http://www.sinergex.com)

Part Number	Description
SA1630-009	Nitro Battery Charger 1amp
SA1630-010	Nitro Battery Charger 3.5amp