



**12V, 7A, Intelli-Charge  
7 Stage Battery Charger**  
#IC7

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**DESCRIPTION**

12V, 7A, 7 stage automatic battery charger with Multi-Chemistry Technology. Provides adjustable output for precise charging tailored to suit all battery chemistry types.

Suitable for AGM, Gel, Wet, Calcium & Lithium batteries.



**FEATURES**

- Multi-chemistry application, suitable for Wet, Calcium, AGM, GEL & Lithium batteries
- Adjustable output to accurately charge different size batteries
- Retains vehicle computer settings whilst charging or running 12V appliances.
- Includes a 0.6m fused wiring harness, allowing permanent connection to concealed batteries
- Durable construction, shock proof with over temperature, spark & polarity protection

**TECHNICAL SPECIFICATIONS**

<b>Inverter Type</b>	• 7 stage / 5 stage (lithium)
<b>Input (Nominal)</b>	• 230 - 240 VAC, 50Hz
<b>Input Power</b>	• 110 Watts
<b>Output Voltage</b>	• 12 Volt
<b>Output Current</b>	• 7 Amps , 4 Amps , 2 Amps , 1 Amps
<b>Minimum Start Voltage</b>	• 2 Volt
<b>Back Drain</b>	• 1mA
<b>Power Supply Set Voltage</b>	• 13.8 Volt DC
<b>Power Supply Max. Current</b>	• 7 Amps
<b>Types of Batteries</b>	• Lithium, Gel, AGM, Wet & Calcium
<b>Dimensions</b>	• 182mm W x 61mm H x 108mm D
<b>Weight</b>	• 1.02 kg
<b>Approvals</b>	• Electrical Safety, EMC

Battery Type	Battery Range	Charge Time
Automotive Batteries	• 40 - 800 CCA	• 6 - 12 Hours
Marine Batteries	• 55 - 900 CCA	• 8 - 15 Hours
Deep Cycle Batteries	• 7 - 140 Ah	• 6 - 20 Hours
Lithium Batteries	• 2 - 70 Ah	• 2 - 10 Hours

Charge Control (7 stages)	Battery Type			
	Gel	AGM	Wet	Calcium
<b>Desulphation</b>	High Frequency Pulse charge up to 11 Volt			
<b>Soft Start</b>	Half the rated set current up to 12 Volt			
<b>Bulk</b> (set current up to)	14.1 Volt	14.4 Volt	14.7 Volt	14.7 Volt
<b>Absorption</b>	Constant voltage until current drops to: 1A - 0.15A, 2A - 0.3A, 4A - 0.6A, 7A - 1.05A			
<b>Equalization</b> (Calcium mode only)	Constant current (1.0 - 2.0A) up to 16 Volt then hold for 1 hour or 12 hour timeout			
<b>Analysis</b>	Monitors battery for 90 seconds			
<b>Recondition</b> (Constant current (0.15A - 1.05A) for 4 hours limited to)	14.1 Volts	14.4 Volts	16 Volt	16 Volt
<b>Float</b>	13.7 Volt			

Charge Control (5 Stages)	Lithium Batteries
<b>Soft Start 1</b>	Charge at 5% of set current, until the battery reaches 8.0 Volt
<b>Soft Start 2</b>	Charge at 25% of set current, until the battery reached 10.0 Volt
<b>Bulk</b>	Set rate of current, up to 14.2 Volt
<b>Absorption</b>	10% of the set rate of current
<b>Float</b>	13.5 Volt