



Batteries that last and last

# BATTERY CHARGERS & MAINTAINERS



# Get more out of your battery

Charging and maintaining your battery has never been easier with Century's range of battery chargers and maintainers. Backed with a 5 year warranty<sup>3</sup>, these smart battery chargers are suitable for charging and maintaining batteries including:



## Choosing the right charger

Use the following guide to help choose the right charger for your needs.

	CC1225-XLi	CC1212-XLi	CC1206-XLi	CC6121.2
Lead Acid Batteries including Calcium SMF, AGM, Flooded, EFB & Gel	✓	✓	✓	✓
Lithium (LFP) Battery	✓	✓	✓	
Charging	6-500Ah <sup>1</sup>	3-240Ah <sup>1</sup>	3-120Ah <sup>1</sup>	4-24Ah <sup>1</sup>
Maintaining	6-750Ah	3-360Ah	3-180Ah	4-100Ah
Input Voltage	220-240 V AC	220-240 V AC	100-240 V AC	100-240 V AC
Output Voltage	12V	12V	12V	6V & 12V
Output Current	2A/15A/25A	1A/8A/12A	1A/3A/6A	1.2A

## Applications

Motorcycle & Powersport		✓	✓	✓
PWC		✓	✓	✓
Lawn & Garden	✓	✓	✓	✓
Recreational	✓	✓	✓	✓
Car & Passenger	✓	✓	✓	
4X4 & SUV	✓	✓	✓	
Marine	✓	✓	✓	
Truck	✓	✓		
RV, Caravan & Camper Trailer	✓	✓		

# CC1225-XLi

**LITHIUM (LFP)  
COMPATIBLE**

12 Volt - 25 Amp  
9-stage<sup>2</sup> Battery Charger & Maintainer



- ☑ Suitable for lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel) and Lithium (LFP) batteries
- ☑ Charges batteries rated up to 500Ah<sup>1</sup>
- ☑ Maintains batteries rated up to 750Ah
- ☑ Recondition mode to repair heavily discharged batteries<sup>5</sup>
- ☑ Activates on batteries discharged as low as 2V
- ☑ Selectable 2A, 15A & 25A output current
- ☑ LFP Wake Up - Power Supply
- ☑ Temperature Compensation<sup>5</sup>

6Ah

Ideal for Charging  
and Maintaining

500Ah

Ideal for  
Maintaining

750Ah



## CC1225-XLi TECHNICAL DATA

Input Voltage	220-240V AC
Output Voltage	12V
Output Current	2A / 15A / 25A
Type of Charger	9-stage <sup>2</sup> , fully automatic smart charging process
Type of Battery	Lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel) and Lithium (LFP) batteries
Charging Capacity	6-500Ah <sup>1</sup>
Maintaining Capacity	6-750Ah

<sup>1</sup>Based on 5 to 30% of battery Ah ratings. For optimum charging, 10% of battery Ah rating is recommended.

<sup>3</sup>Conditions apply. Refer to the warranty section of the product manual for full warranty conditions.

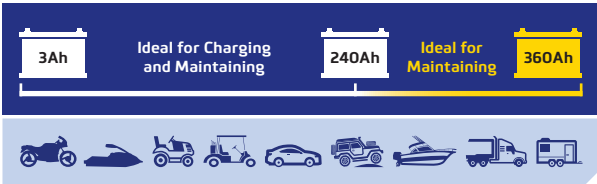
# CC1212-XLi

**LITHIUM (LFP)  
COMPATIBLE**

12 Volt - 12 Amp  
9-stage<sup>2</sup> Battery Charger & Maintainer



- ✓ Suitable for lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel) and Lithium (LFP) batteries
- ✓ Charges batteries rated up to 240Ah<sup>1</sup>
- ✓ Maintains batteries rated up to 360Ah
- ✓ Recondition mode to repair heavily discharged batteries<sup>5</sup>
- ✓ Activates on batteries discharged as low as 2V
- ✓ Selectable 1A, 8A & 12A output current
- ✓ LFP Wake Up - Power Supply



## CC1212-XLi TECHNICAL DATA

Input Voltage	220-240V AC
Output Voltage	12V
Output Current	1A / 8A / 12A
Type of Charger	9-stage <sup>2</sup> , fully automatic smart charging process
Type of Battery	Lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel) and Lithium (LFP) batteries
Charging Capacity	3-240Ah <sup>1</sup>
Maintaining Capacity	3-360Ah

# CC1206-XLi

**LITHIUM (LFP)  
COMPATIBLE**

12 Volt - 6 Amp

9-stage<sup>2</sup> Battery Charger & Maintainer



- ✓ Suitable for lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel) and Lithium (LFP) batteries
- ✓ Charges batteries rated up to 120Ah<sup>1</sup>
- ✓ Maintains batteries rated up to 180Ah
- ✓ Recondition mode to repair heavily discharged batteries<sup>5</sup>
- ✓ Activates on batteries discharged as low as 2V
- ✓ Selectable 1A, 3A & 6A output current
- ✓ LFP Wake Up - Power Supply

3Ah

Ideal for Charging  
and Maintaining

120Ah

Ideal for  
Maintaining

180Ah



## CC1206-XLi TECHNICAL DATA

Input Voltage	100-240V AC
Output Voltage	12V
Output Current	1A / 3A / 6A
Type of Charger	9-stage <sup>2</sup> , fully automatic smart charging process
Type of Battery	Lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel) and Lithium (LFP) batteries
Charging Capacity	3-120Ah <sup>1</sup>
Maintaining Capacity	3-180Ah

# CC6121.2

## Selectable 6 & 12 Volt - 1.2 Amp 8-stage Battery Charger & Maintainer



- ☑ Suitable for lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel)
- ☑ Charges batteries rated up to 24Ah<sup>1</sup>
- ☑ Maintains batteries rated up to 100Ah
- ☑ Recondition mode to repair heavily discharged batteries<sup>5</sup>
- ☑ Activates on batteries discharged as low as 3V<sup>4</sup>

4Ah

Ideal for Charging  
and Maintaining

24Ah

Ideal for  
Maintaining

100Ah



### CC6121.2 TECHNICAL DATA

Input Voltage	100-240V AC
Output Voltage	6V & 12V
Output Current	1.2A
Type of Charger	8-stage, fully automatic smart charging process
Type of Battery	Lead-acid batteries (Calcium SMF, AGM, Flooded, EFB, Gel)
Charging Capacity	4-24Ah <sup>1</sup>
Maintaining Capacity	4-100Ah

# Heavy-Duty Output Connectors

Each charger is supplied with heavy-duty, corrosion resistant crocodile clips and ring terminals. The ring terminals are perfect for permanent connection to difficult-to-reach batteries.



# Built in Safety Features



## Reverse polarity protection

If output leads are connected in reverse polarity, the fault LED will activate and the charger will be disabled.



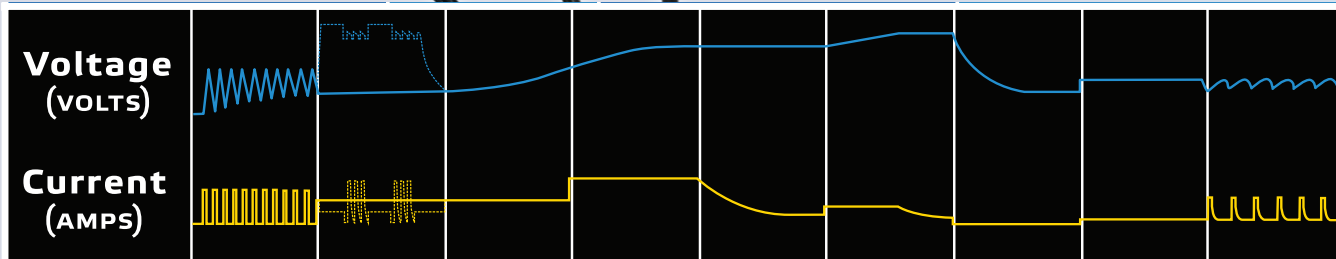
## Safety timers

Chargers feature safety timers at every stage, to detect faults in the battery and prevent overcharging.



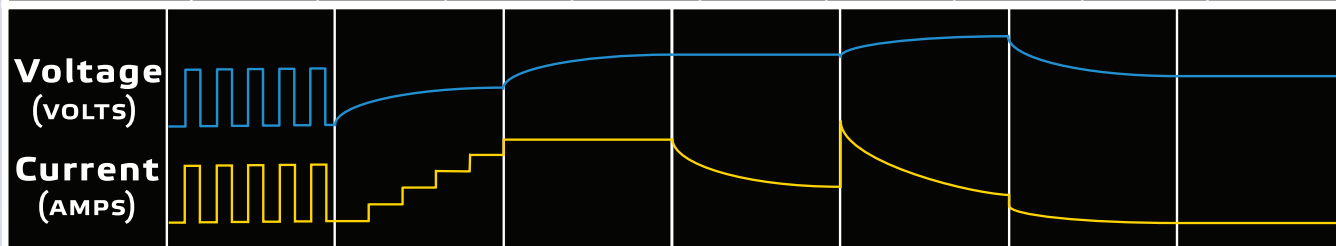
## Internal overheat & short circuit protection

Built-in overheat and short circuit protection to protect the internals of the device.



## SMART 9-STAGE LEAD ACID BATTERY CHARGING PROCESS

<b>QUALIFICATION</b> Checks battery condition to determine whether the rejuvenation stage or charge cycle is required.	<b>REJUVENATION</b> Automatic stage for batteries in poor condition. Breaks down sulphation using a patented high frequency pulse.	<b>SOFT START</b> Increases your battery life by gently starting to charge the battery until it reaches a set voltage.	<b>BULK CHARGE</b> Reduces charging time by delivering maximum charge until the battery reaches a set voltage.	<b>ABSORPTION</b> Uses constant voltage and ensures the battery receives a full charge without overcharging.	<b>EQUALISATION</b> Restores full capacity to batteries by removing acid stratification.	<b>ANALYSIS</b> Checks the battery condition to ensure it is fully charged.	<b>FLOAT</b> Maintains the battery at 100% charge.	<b>MAINTENANCE</b> Special pulse charge for long-term maintenance to ensure the battery is in optimal condition.
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## LITHIUM BATTERY CHARGING PROCESS

<b>ACTIVATION</b> Wakes up the lithium battery BMS to detect battery voltage to enable the charger to start charging.	<b>SOFT START</b> Increases your battery life by gently starting to charge the battery until it reaches a set voltage.	<b>BULK CHARGE</b> Reduces charging time by delivering maximum charge until the battery reaches a set voltage.	<b>ABSORPTION 1</b> Uses constant voltage and ensures the battery receives charge without overcharging.	<b>ABSORPTION 2</b> Steps up the constant voltage and ensures the battery receives a full charge without overcharging.	<b>FULL</b> Battery is 100% charged and the charger output will switch off.	<b>ANALYSIS</b> The charger will monitor the battery voltage and will restart when required.
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# Key Features



## Universal battery chargers

Suitable for charging and maintaining batteries including:

- ✓ Sealed Maintenance Free (SMF) flooded calcium batteries
- ✓ Absorbed Glass Mat (AGM), maintainable Flooded & Enhanced Flooded Batteries (EFB)
- ✓ Gel electrolyte type batteries
- ✓ Lithium LiFePO4 (LFP) batteries<sup>1</sup>



## Smart 9-stage charging process<sup>2</sup>

Each stage has been designed to maximise charging performance and help extend battery life.



## LFP Wake Up - Power Supply<sup>1,3</sup>

Wakes the Lithium BMS and the battery will start accepting charge.



## 24/7 battery charging<sup>3</sup>

Can be left on 24/7 to ensure your battery remains fully charged.



## Selectable voltage output (CC6121.2)

Enables selection between two output settings: 6 Volt and 12 Volt.



## Adjustable charge output current<sup>1</sup>

Allows the user to select between three charging modes: rapid, silent or maintenance mode.



## Temperature compensation<sup>5</sup> (CC1225-XLi)

Monitors the temperature and adjusts the charge output according to the ambient temperature to ensure maximum battery life.



## Patented rejuvenation technology<sup>5</sup>

Uses high voltage equalising and peak pulse reconditioning to repair heavily discharged batteries.



## 2 Volt activation<sup>4</sup>

The charger will activate on batteries discharged as low as 2 Volts.

<sup>1</sup>Excluding CC6121.2 charger. <sup>2</sup>8-stage charging process on the CC6121.2 charger; 7-stage when charging Lithium batteries. <sup>3</sup>Disconnect after 24-hour use during Lithium (LFP) Mode. It is recommended to ensure the battery is fully charged before leaving the charger and battery unattended for extended periods of time.

<sup>4</sup>3V/8V activation on the CC6121.2, when 6V/12V setting is selected.

<sup>5</sup>Only for lead-acid batteries.



# Charging your battery has never been easier

Century's range of battery chargers and maintainers incorporate a patented rejuvenation technology<sup>5</sup> and will activate from as low as 2 Volts<sup>4</sup>. This gives you the ability to repair and recharge heavily discharged batteries.

## Features include:



**UNIVERSAL BATTERY CHARGER**



**ECO POWER MODE**



**ADJUSTABLE CHARGE OUTPUT CURRENT<sup>1</sup>**



**SAFETY TIMERS**



**9-STAGE CHARGING PROCESS<sup>2</sup>**



**PATENTED REJUVENATION TECHNOLOGY<sup>5</sup>**



**5-YEAR WARRANTY<sup>6</sup>**



**24/7 BATTERY CHARGING<sup>3</sup>**

<sup>1</sup>Excluding CC6121.2 charger. <sup>2</sup>8-stage on the CC6121.2 charger; 7-stage when charging lithium batteries. <sup>3</sup>Disconnect after 24-hour use during Lithium (LFP) Mode. It is recommended to ensure the battery is fully charged before leaving the charger and battery unattended for extended periods of time. <sup>4</sup>3V/8V activation on the CC6121.2, when 6V/12V setting is selected. <sup>5</sup>Only for lead-acid batteries. <sup>6</sup>Conditions apply. Refer to the warranty section of the product manual for full warranty conditions.

For more information contact:

  
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