

## Overview

The Solectria BC3kW is a state-of-the-art microprocessor-controlled electric vehicle battery charger for use with 220VAC input power. Because it is power-factor-corrected and highly efficient, the unit can provide up to 3000 watts power output (from a 20A, 220VAC circuit).

## Applications

The Solectria BC3kW can be used to supply power to the battery pack of any small to mid-size automobile or light-duty truck or van.

## Features

Charger temperature limiting  
Battery over-temperature protection and temperature compensation  
Internal fuse protection, input and output  
Electrical isolation between input and output  
"Charger on" interlock (drive disable)  
Sealed unit with air-cooled heat sink  
Convenience charging @ 110V AC (reduced power)

## Available and Custom Options

- Interface package includes mating connectors, mounting hardware, two temperature sensors, and 20A external fuse with holder
- Custom charging algorithms
- Optional interface box with LED outputs
- Optional 3-8 battery temperature sensor interface box
- Custom charger paralleling for more power

An engineering fee applies to all customized orders.



## Specifications

	BC3kW-150V	BC3kW-320V
<b>Power Output</b>	3kW	
<b>Output Voltage (Full Power)</b>	144 or 195VDC	312 or 420VDC
<b>Nominal Pack Voltage (Lead Acid)</b>	144 or 156VDC	312 or 336VDC
<b>Rated Efficiency</b>	92%	
<b>Input Voltage</b>	108 to 255VAC	
<b>Input Current</b>	16A @ 220VAC 12A @ 120VAC	
<b>Power Factor</b>	≥ 0.98	
<b>Dimensions</b>	420mm x 151mm x 148mm	
<b>Weight</b>	10kg	
<b>Operating Temperatures</b>	Full power @ ambient temp. of -25°C to +30°C Reduced power @ ambient temp. of +30°C to +70°C	

