

CenturyMPAccess

High Efficiency Traction Chargers

MP Access 48V 130A CG5115

MP Access chargers are an economical range of chargers offered by Century which incorporate specialised charging algorithms suitable for all lead acid batteries in traction applications. With high efficiency power conversion technology and wide input voltage range, these chargers are ideally suited for Australian conditions.

Designed to recharge valve regulated (sealed) and vented (flooded) lead acid batteries in a variety of Voltages and Ah capacities. Integrated with an industrial microprocessor using Century's specified algorithms, These changes have the benefit of delivering a fully charged battery quicker and capture data on charging time and charging performance.

The use of high frequency power conversion can reduce the amount of input energy consumed for charging, with a high level of control of the power applied to the battery.

Using advanced technology means that the chargers are lighter weight to conventional thyristor controlled chargers; giving operators the choice of wall mounting these chargers to prevent the risk of damage from impact from other equipment as well as increasing floor space utilisation.

Features and Benefits

- Alarm indicators: Charger indicates to the operator issues with the charging condition and logs issues with its memory.
- Compliant to relevant Australian Standards: Century ensures full compliance with all relevant standards applicable to traction chargers.
- Industry leading charging algorithms: Century specified charging algorithms improve charging time and reduce physical wear on the battery, such as increase water consumption.
- High frequency power conversion: With >90% efficiency power conversion from input power to output power, reduces the amount of power consumed to recharge batteries relative to SCR technologies.



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ELECTRICAL INPUT SPECIFICATIONS

| | |
|-----------------------|----------------------|
| VAC Input | 3P 400Vac $\pm 10\%$ |
| Input Current (Max I) | 12.4A (@400VAC) |
| Input Frequency | 47-63Hz |
| Power Socket Required | 56C420 |
| Power Factor | 0.95 at rated power |
| Efficiency | 95.0% at rated power |

ELECTRICAL OUTPUT SPECIFICATIONS

| | |
|----------------------------|---|
| Technology | High Frequency Conversion(Soft Start) |
| Nominal VDC (Programmable) | 48VDC (24VDC; 36VDC) |
| VDC Output Range | 0.9 to 2.8VDC per cell |
| Output Power (kW) | 7.5kW (2.4VPC @400VAC) |
| Max Output Current (A) | 130A |
| Output Ripple | <5% RMS of Nominal DC Voltage & <10% RMS ripple current at 100% load |
| Output Accuracy Setting | VDC output $\pm 0.5\%$ / Current output $\pm 2\%$ |

ENVIRONMENTAL SPECIFICATIONS

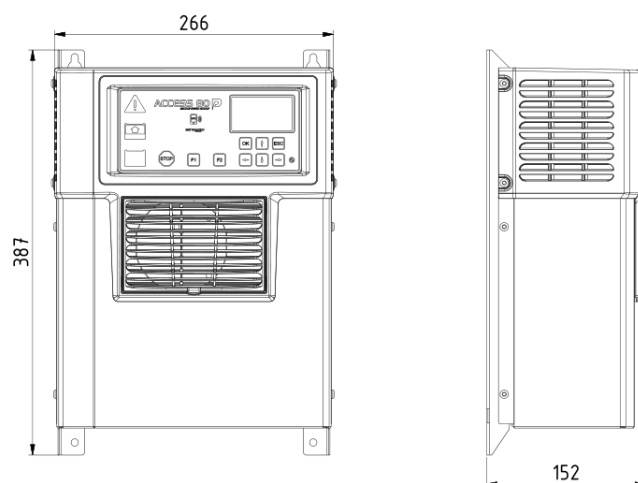
| | |
|-----------------------------------|------------------------|
| Environmental Protection | Conformal coating |
| Operational Temperature (Ambient) | 0 - 40 °C |
| Storage Temperature | -25 - 60 °C |
| Humidity | RH <95% Non-condensing |
| Cooling | Fan cooled |
| IP Rating | IP20 |

STANDARDS

| | |
|-----------|--------------------------|
| Emissions | EN61000-6-3 |
| Immunity | EN61000-6-2 |
| Safety | EN60335-1 & EN60335-2-29 |

MECHANICAL

| | |
|--------------|-----|
| Weight (kgs) | 11 |
| Height (mm) | 387 |
| Width (mm) | 266 |
| Depth (mm) | 152 |



An affiliated business of the GS Yuasa Corporation, Century Yuasa has over 80-years of supplying a range of stored energy solutions to the Australian market. An established network of sales and distribution offices throughout Australia and New Zealand has seen the business gain the trust and respect from its customers by focusing on quality products and exceptional customer service. The portfolio within Century Yuasa includes a wide range of stored energy products and services, as well as identifiable brands and unique technologies for automotive, materials handling and stationary power applications. Directly maintaining and operating two manufacturing centres in Australia and employing some 500 people, Century Yuasa continues the leading Australian manufacturer of stored energy products.

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