

Century MP Access

High Efficiency Traction Chargers

Century MP Access 80V 130A CG5114

Century MP Access is the next generation of chargers. Incorporating a specialised charging algorithm, high efficiency power conversion and integrated queuing facilities, the MP Access is industry leading.

The microprocessor using a Century specified algorithm can optimise charging on a range of battery types. This optimisation has the benefit of delivering a fully charged battery quicker while minimising the effects that standard chargers can have on batteries.

The use of high frequency power conversion has the effect of reducing the amount of energy consumed for charging, and providing a greater level of control of the power output. This technology also has the advantage of being lighter weight to conventional thyristor controlled chargers. This allows operators to have the option of wall mounting these chargers, reducing the possible risk of impact from other equipment, and improving the use of space.

The integrated queuing facility provides a simple and effective method of monitoring and then identifying which of the batteries being charged has reached the highest state-of-charge. This has the facility to increase the life of batteries and improve the efficiency of operations.



Features and Benefits

- Queuing battery system: Facility to increase the life of the battery and run time of electrical materials handling equipment.
- Century approved charging algorithms: Century specified charging profiles to improve charging efficiency and reduce physical wear on the battery, such as increase water consumption.
- Programmed charge time: Provides the option to operators to charge batteries when electricity tariff is lower to further help reduce consumption of electricity at peak rates.
- Alarm indicators: Highlights to the operator and logs issues with the charger and battery.
- High frequency power conversion: With >91% efficiency with power conversion from input power to output power, can have the advantage of reducing the amount of power consumed to recharge batteries.

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ELECTRICAL INPUT SPECIFICATIONS

VAC Input	3P 400Vac $\pm 10\%$
Input Current (Max I)	20.0A (@400VAC)
Input Frequency	47-63Hz
Power Socket Required	56C420
Power Factor	0.95 at rated power
Efficiency	95% at rated power

ELECTRICAL OUTPUT SPECIFICATIONS

	High Frequency Conversion(Soft Start)
Nominal VDC (Programmable)	24VDC; 36VDC; 48VDC; 72VDC and 80VDC
VDC Output Range	1.4 to 2.9VDC per cell
Output Power (kW)	12.4kW (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

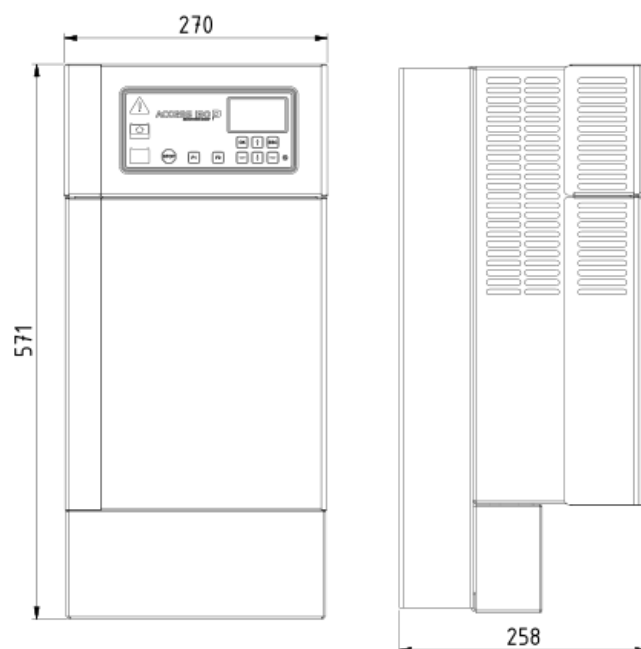
Environmental Protection	Conformal coating
Operational Temperature (Ambient)	0 - 40 °C
Storage Temperature	-25 - 60 °C
Humidity	RH <95% Non-condensing
Cooling	Fan cooled
IP Rating	IP20

STANDARDS

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

MECHANICAL

Weight (kg)	25kg
Height (mm)	571
Width (mm)	270
Depth (mm)	258



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