

MP Access Intelligent Charger

36V 150A / CG5101

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.

Products shown above:
36V 150A, 48V 130A & 80V 80A



PRODUCT AND SALES ENQUIRIES:

0800 93 93 93
www.cyb.co.nz

36V 150A / CG5101

ELECTRICAL INPUT SPECIFICATIONS

VAC Input	3P 400VAC -15% / +10%
Input Current (Max I)	12.4A (@ 400VAC)
Fuse	16A
Input Frequency	50 - 60Hz
Power Outlet Required	56P420
Power Factor	>0.98 at rated power
Efficiency	>91% at rated power
Standby consumption	<5W

ELECTRICAL OUTPUT SPECIFICATIONS

Technology	High Frequency Conversion (Soft Start)
Nominal VDC (Programmable)	24VDC and 36VDC
VDC Output Range	1.4VDC to 2.9VDC Per Cell
Max Current (A)	150 A
Output Power (kW)	6.4kW (2.4VDC @ 230VAC)
Output Ripple	<5% RMS of Nominal DC Voltage & <10% RMS ripple current at 100% load
Output Accuracy Setting	VDC Output +/- 1% / Current Output +/- 2%
MTBF	~60,000 hours @ 30°C

ENVIRONMENTAL

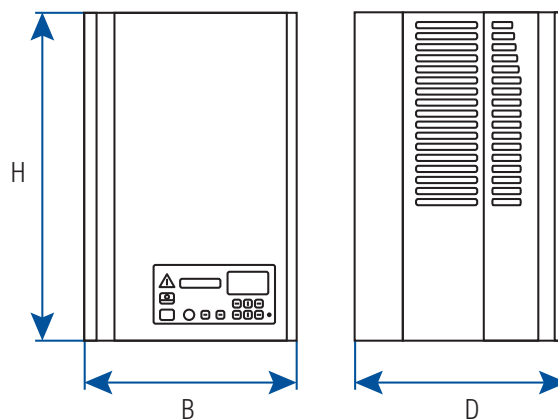
Environmental Protection	Conformal Coating
Operational Temperature (Ambient)	0°C to +40°C (Full Power)
Temperature Protection	Software and hardwareV
Storage Temperature	-20°C to +70°C
Humidity	RH <95% non-condensing
Cooling	Fan Cooled - Temperature Controlled
IP Rating	IP20

STANDARDS

EMC Directive	EMC 2004/108/EG
Emissions	EN 61000-6-3
Immunity	EN 61000-6-2
Safety Directive	LVD 2006/95/EC
Safety	EN60335-1 & EN60335-2-29

MECHANICAL

Weight (kgs)	15 (without external cabling)
Height (H) (mm)	420
Width (B) (mm)	255
Depth (D) mm	270



An affiliated business of the GS Yuasa Corporation, CenturyYuasa 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 CenturyYuasa includes a wide range of stored energy products and services, as well as identifiable brands and unique technologies for automotive, materials handling and standby power applications. Directly maintaining and operating two manufacturing centers in Australia and employing some 500 people, CenturyYuasa continues to be a leading Australian manufacturer of stored energy products.

All reasonable care has been taken to ensure that the data presented in this document is accurate for the purpose for which it is presented. CenturyYuasa reserves the right to make changes to its products and information contained in this document without notice, and shall not be held liable for any loss or damage claimed to have arisen as a result of the use of this brochure.