SMC-HF

48V 130A / CG5309

SMC chargers are a leading range of chargers by Century which incorporate a specified charging algorithm and proven high efficiency power conversion. This range of chargers has been selected for Australian conditions and is able to recharge a variety of battery voltages including 24VDC, 36VDC, 48VDC and 80VDC.

The integrated industrial microprocessor using Century's specified algorithms can optimise charging on a range of battery types, including VRLA (Sealed) batteries. 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.

Left & middle: 24V 30A, 45A, 60A
Right: 24V120A, all 36V, 48V & 80V

Features and Benefits

- Compliant to relevant Australian Standards: Century ensures full compliance with relevant standards applicable to chargers.
- Industry leading charging algorithms: Century specified charging profiles to improve charging efficiency and reduce physical wear on the battery, such as increase water consumption.
- Alarm indicators: Highlights to the operator and logs issues with the charger and battery.
- High frequency power conversion: With >90% efficiency with power conversion from input power to output power, can have the advantage of reducing the amount of power consumed to recharge batteries.

Century

PRODUCT & SALES ENQUIRIES

Sales **1300 734 580** | Service **1300 369 355**
www.centuryyuasa.com.au

CenturyYuasa

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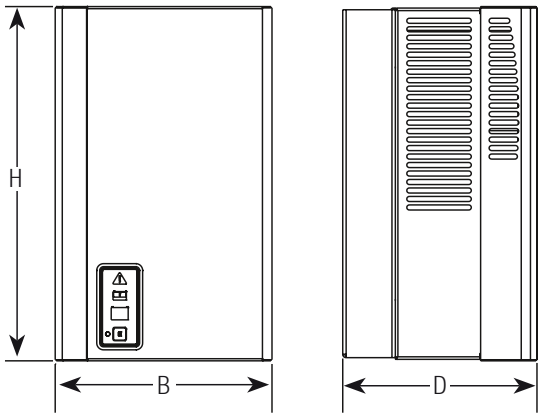
ELECTRICAL INPUT SPECIFICATIONS	
VAC Input	3P 400VAC -15%/ +10%
Input Current (Max I)	12.2A (@ 400VAC)
Fuse	16A
Input Frequency	50 - 60Hz
Power Outlet Required	Clipsal 56C420
Power Factor	>0.9 at rated power
Efficiency	>92% at 100% Load

ELECTRICAL OUTPUT SPECIFICATIONS	
Technology	High Frequency Conversion (Soft Start)
Nominal VDC	48VDC
VDC Output Range	1.4VDC to 2.9VDC Per Cell
Output Power (kW)	6.9kW (@ 2.2V/Cell, Input 400VAC)
Output Ripple (Max)	<50mV RMS of Nominal DC Voltage
Output Accuracy Setting	VDC Ouput +/- 1% / Current Ouput +/- 2%
MTBF	~60,000 hours @ 30°C

ENVIRONMENTAL	
Environmental Protection	Conformal Coating
Operational Temperature (Ambient)	0°C to +40°C (Full Power)
Storage Temperature	-20°C to +50°C
Humidity	RH <90% non-condensing
Cooling	Fan Cooled - Temperature Controlled
IP Rating	IP20

STANDARDS	
Emissions	EN 50081-1 Light Industry
Immunity	EN61000-6-2 From 2002-04-01
Safety	EN60335-1 & EN60335-2-29

MECHANICAL	
Weight (kgs)	15 (without external cabling)
Height (H) (mm)	417
Width (B) (mm)	255
Depth (D) mm	229



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.

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