

***PRODUCT AND SALES ENQUIRIES:***

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# SMC-HF

## 80V 60A / CG5312

### ELECTRICAL INPUT SPECIFICATIONS

VAC Input	3P 400VAC -15%/ +10%
Input Current (Max I)	9.3A (@ 400VAC)
Fuse	10A
Input Frequency	50 - 60Hz
Power Outlet Required	Clipsal 56C420
Power Factor	>0.9 at rated power
Efficiency	>86% at 100% Load

### ELECTRICAL OUTPUT SPECIFICATIONS

Technology	High Frequency Conversion (Soft Start)
Nominal VDC	80VDC
VDC Output Range	1.4VDC to 2.9VDC Per Cell
Output Power (kW)	5.3kW (@ 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

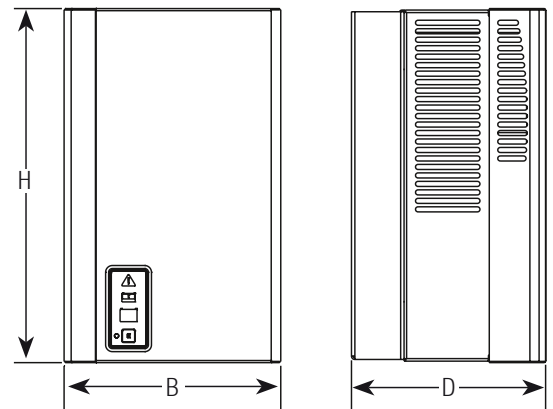
Environmental Protection	Conformal Coating
Operational Temperature (Ambient)	0°C to +40°C (Full Power)
Storage Temperature	-20°C to +50°C
Humidity	RH <90% non-condensing
Cooling	Fan Cooled - Temperature Controlled
IP Rating	IP20

### 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



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