



ORDERING INFORMATION	MODEL	CODE	MODEL	CODE
	CSG500G	XCSG500G	CSG960G	XCSG960G

INPUT TECHNICAL DATA	
Rated input voltage	3x 400...500V _{AC} (range: 3x 340...550V _{AC})
Frequency	47...63 Hz
Input current @ rated P_{OUT}	1.3A @ 400 V _{AC} / 1.1A @ 500 V _{AC} 2.8A @ 400 V _{AC} / 2.2A @ 500 V _{AC}
Inrush peak current	< 10A
Power Factor @ 400V _{AC}	0.6
Oversvoltage protection	Active (according to VDE0160)
Internal fuse protection	No
External overcurrent protection	Thermo-magnetic breaker 10A characteristic C (or fuses class CC for USA and Canada) or equivalent devices according to local regulations

OUTPUT TECHNICAL DATA	
Voltage	72V_{DC} (72...85V)
Max. output current	10A @ 72V for 5s 18.6A @ 72V for 5s
Max. continuous output current	6.7A @ 72V 13.3A @ 72V
Short circuit current	> 20A for 5s > 30A for 5s
Load regulation	< 1%
Ripple @ rated P_{OUT}	< 100mVpp (according to IEC1204)
Hold up time @ rated P_{OUT}	> 15 ms @ 400V _{AC}
Protections: 1) Overload 2) Short circuit 3) Thermal 4) Output max oversvoltage (with passive and active protection)	1) Hiccup 5s ON / 10s OFF 2) Hiccup 5s ON / 10s OFF 3) $T_{CASE} > 90^{\circ}\text{C}$ – autoreset 4) $V_{OUT} < 95\text{V}$
Output status signal	“DC OK” LED, “OVERLOAD/ALARM” LED, Dry contact SPDT-1A / 24V _{DC} (see paragraph 6 of the instruction manual)
“DC OK” V_{OUT} Threshold	64.8V ±2%
Parallel connection	Possible for increased power and redundancy (see paragraph 9 on instruction manual)

GENERAL TECHNICAL DATA	
Efficiency @ rated P_{OUT}	Typ. 95 % @ 400V _{AC} Typ. 92 % @ 400V _{AC}
Dissipated power	< 26W < 85W
Operating temperature	-20...+60°C, with thermal protection derating 10W/°C over 50°C - UL508 derating 15W/°C over 45°C - UL508
Input/output insulation	3 kV _{AC} / 60 s
Input/ground insulation	2 kV _{AC} / 60 s
Output/ground insulation	1 kV _{AC} / 60 s
Protection degree	IP20
Safety standard	IEC529, EN60529, EN50178, EN61558, UL508
EMC Standards	EN61000-6-2, EN61000-6-4, EN55011 EN61000-4-2, EN61000-4-3, EN61000-4-11 EN61000-4-4, EN61000-4-5, EN61000-4-6,
Connection terminal blocks	Screw type 4 / 6 mm ²
Housing material	Aluminium
Approximative weight	~1.2 kg (2.6 lbs)
Mounting information	Vertical on rail (see point 4 of the instruction manual)
Mounting rail	IEC 60715/TH35