



GE4ALL
 Engelandlaan 22
 2391 PN Hazerswoude dorp
 The Netherlands

+31 172 404 195
 +31 172 239 944
 info@ge4all.eu
 www.ge4all.eu

Model SG100K3



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Parameter	Value
Isolation type	Transformer
Recommended maximum power of PV array	110kWp
Maximum array open-circuit voltage	880Vdc
Maximum power point (MPPT) scope of PV	450~820Vdc
Maximum nr. of strings	4
Maximum array input current	250A
Rated AC output power	100KW
Nominal AC current	145A
Grid structure	TT, TN-C, TC-S
Current THD	<3% (at nominal power)
Power factor	>0.99 (at nominal power)
Maximum efficiency	96.8%
European efficiency	96.1%
Nominal grid voltage	400Vac
Nominal grid frequency	50 & 60 Hz
Self consumption in operation	<1% of P _{nom}
Standby power consumption	<30W
External auxiliary voltage	230V, 50Hz / 60Hz
Ground fault monitoring	Yes
Emergency stop	Yes
Power switch AC side	Yes
Power switch DC side	Yes
Fresh air consumption	1620m ³ /h
Communication interface	RS-485, optional Ethernet/GPRS
Protection class	IP20 (indoor)
Operating temperature	-20°C ~ +40°C
Noise	<50dB
Cooling	Controlled forced-air cooling
Size (W x H x D)	1.020 x 1.964 x 770 mm
Weight	800 kg