DECLARATION

Limit for Certificate EN 50438

SPECIFICATION

	GS-1000	GS-1500	GS-2000	GS-3000
Maximum Input Power	1170W	1750W	2340W	3510W
DC Maximum Voltage	500 VDC			
MPPT Voltage Range	100 VDC ~ 500 VDC ± 5%	150 VDC ~ 500 VDC ± 5%		
DC Maximum Input Current	7.5 ADC	7.5 ADC	10 ADC	15 ADC
Maximum PV Array Short Circuit Current	11.25 ADC	11.25 ADC	15 ADC	22.5 ADC
DC Voltage Ripple	<3.5%			
Number of String Inputs/ Type	1 (Tyco or MC)			
PV Start Voltage	100 VDC ± 5%	150 VDC ± 5%		
AC Nominal Power	1000W	1500W	2000W	3000W
AC Maximum Output Power	1100W	1650W	2200W	3300W
AC Maximum Output Current	5A	6.6A	8.7A	13A
AC Nominal Voltage Range	198VAC, minimum/ 256VAC, maximum @230VAC			
AC Frequency	50/60Hz, auto selection			
Power Factor	>0.99			
Maximum Inverter Efficiency	95%	95%	95%	95%
European Inverter Efficiency	94%	94%	94%	94%
Dimensions：W × H × D (mm)	380x300x133	380x300x133	380x300x133	380x300x143
Weight (kg)	14	14	14	14
Operating Temperature	-25 to 55 °C			
Humidity	0 to 95%, non-condensing			
Power Consumption: standby/night time	<0.1W			
Heat Dissipation	Convection			
DC Switch	ON/OFF 20A			
O/P current distortion	THD<5%, each harmonics<3%			

SETTING OF PROTECTIVE INTERFACE

PROTRCTION	EXECUTION	CALBRATION VALUES	TIME FOR ACTION
Maximum voltage	207 V - 253 V	256 V	(< 0,5 sec)
Under voltage	207 V - 253 V	198 V	(< 0,5 sec)
Maximum frequency	50.5 Hz	53.0 Hz	(< 0,5 sec)
Minimum frequency	48.0 Hz	47.0 Hz	(< 0,5 sec)

PROTECTION DEVICES AND INTERFACE INVERTERS

According to the EN 50438