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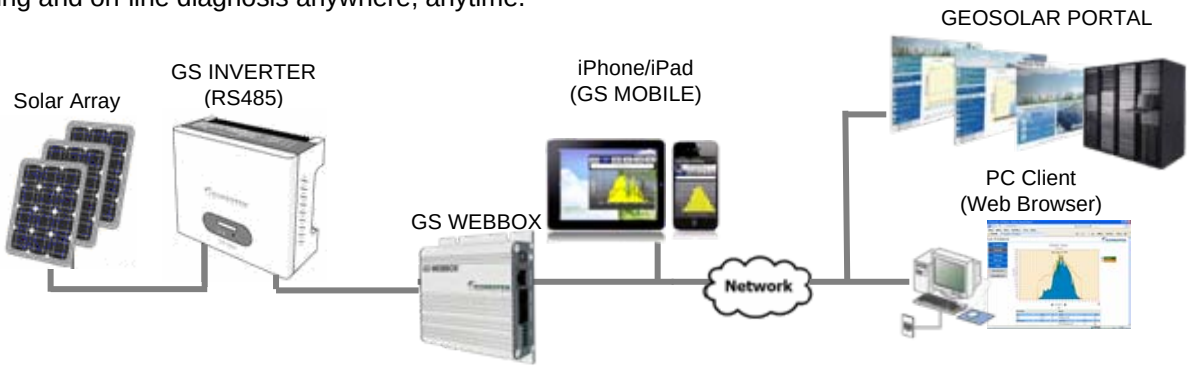
HOMERAY Optitronics

VDE CE ETL SA AS4777 DK5940 G83

GS 1000/1500/2000/3000/4000/6000

Grid-Tie, Transformerless, 1kW,1.5kW,2kW,3kW,4kW,6kW

GS INVERTER is a single-phase, transformerless, and high efficiency inverter covers 1.0,1.5, 2.0,3.0,4.0,and 6.0 kW. GS INVERTER product series had passed different certification CE, VDE0126, AS4777, DK5940, G83, UL, ETL, CSA...etc for different country regulation. It has a super compact size and IP65 waterproof cabinet that can be resistant to rain, snow and dust. The MPPT tracking voltage range from 100 to 600VDC. It was designed for easy and quick installation, simple communication and maximum performance. It also provide the necessary Anti-Island protection and GFCI To prevent electrical hazard of user. GS INVERTER can be monitored by GS WEBBOX, GS LOGGER, or GS HOME TOUCH via RS-485. With the powerful monitoring solution, it was allowed to remote monitoring and on-line diagnosis anywhere, anytime.



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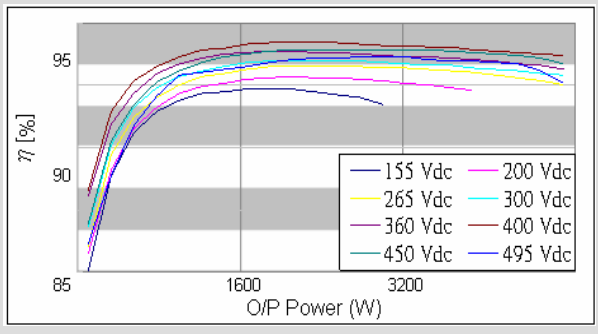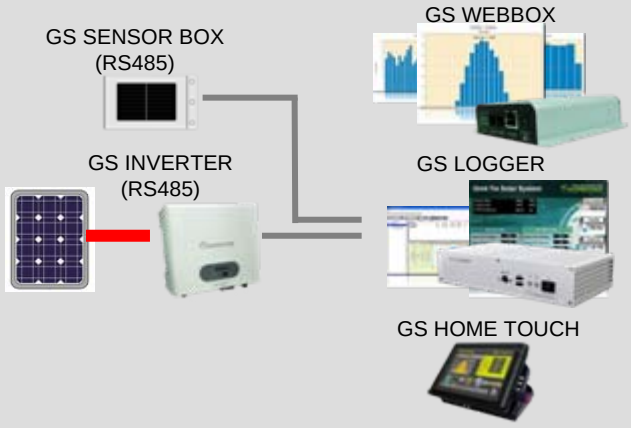
	GS-1000	GS-1500	GS-2000	GS-3000	GS-4000	GS-6000
Maximum Input Power	1170W	1750W	2340W	3510W	4700W	6500W
DC Maximum Voltage	500 VDC					600VDC
MPPT Voltage Range	100 VDC ~ 500 VDC ± 5%	150 VDC ~ 500 VDC ± 5%				150 ~ 600 VDC ± 5%
DC Maximum Input Current	7.5 ADC	7.5 ADC	10 ADC	15 ADC	20A DC	30A DC
Maximum PV Array Short Circuit Current	11.25 ADC	11.25 ADC	15 ADC	22.5 ADC	30A DC	45A DC
DC Voltage Ripple	<3.5%					
Number of String Inputs/ Type	1 (Tyco or MC)				3 (Tyco or MC)	
PV Start Voltage	100 VDC ± 5%	150 VDC ± 5%				
AC Nominal Power	1000W(@120VDC)	1500W	2000W	3000W	4000W	6000W
AC Maximum Output Power	1100W	1650W	2200W	3300W	4400W	6000W
AC Maximum Output Current	5A	6.6A	8.7A	13A	17.4A	26.1A
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%	96%	96%
European Inverter Efficiency	94%	94%	94%	94%	95%	95%
Dimensions：W × H × D (mm)	460x460x265	460x460x265	460x460x265	460x460x265	660x460x265	660x580x265
Weight (kg)	14	14	14	14	21	27
Operating Temperature	-20 to 55 ˚C					
Humidity	0 to 95%, non-condensing					
Power Consumption: standby/night time	<0.1W					
Heat Dissipation	Convection					
DC Switch	ON/OFF 20A					ON/OFF 30A
O/P current distortion	THD<5%, each harmonics<3%