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HOMERAY Optitronics

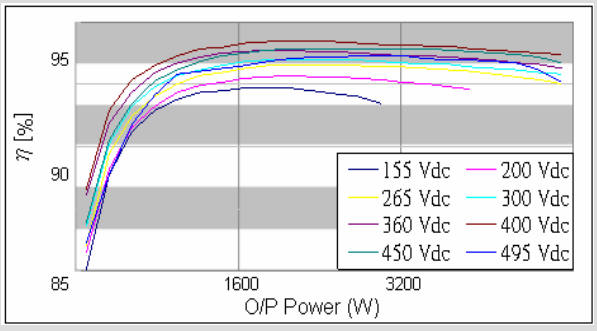
GS 1000UL/1500UL/2000UL/3000UL

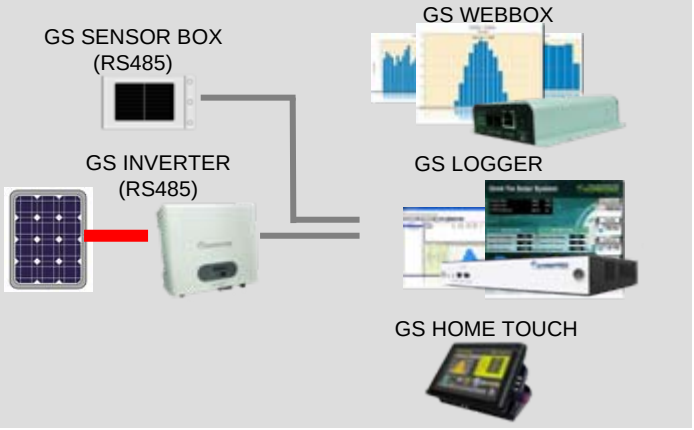
Grid-Tie, Transformerless, 1kW,1.5kW,2kW,3kW

GS INVERTER-UL is a single-phase, transformerless, and high efficiency inverter covers 1.0,1.5, 2.0,and 3.0 kW. GS INVERTER product series had passed different certification CE, VDE0126, AS4777, DK5940, G83, UL, CSA...etc for different country. 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 500VDC. 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.

Specification:

	GS-1000UL	GS-1500UL	GS-2000UL	GS-3000UL	GS-4000UL	GS-6000UL
Maximum Input Power	1170W	1750W	2340W	3510W	4700W	6500W
DC Maximum Voltage	450 VDC					600VDC
MPPT Voltage Range	100 VDC ~ 450 VDC ± 5%	150 VDC ~ 450 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	183VAC, minimum/ 228VAC, maximum @208VAC 211VAC, minimum/ 264VAC, maximum @240VAC					
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)	470x580x290	470x580x290	470x580x290	470x580x290	670x580x290	670x680x265
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





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GEOPROTEK Solar Technology