

# HYOSUNG's Grid Connected PV Inverter

Hyosung, Korea's number one heavy electric equipment company provides optimum solutions by developing a solar inverter **GENTOPIA®** series that can be customized to various installation environments based on technical skill and reliability.



## ■ Characteristics and strengths of PV Inverter



Maximum output point control that enables maximum power generation in a wide output range by applying new technology.



Produce highly efficient and reliable products by outstanding technical skill and experience based on existing T&D Business.



User friendly operation environments by adopting HMI\* which is convenient to check operation information and situations.

\*HMI: Human Machine Interface



High efficiency and reliability have been recognized by passing performance tests conducted by authorized test agencies and acquiring a green certification and CE

## ■ GENTOPIA® Specifications

GENTOPIA		HS-P99G	HS-P200G	HS-P250GL	HS-P250G	HS-P300GL	HS-P500GL	HS-P500GLO	HS-P600GL	HS-P600GLO	HS-P1000GLO
Input [DC]	Max. DC Power	109kW	220kW	275kW	275kW	330kW	550kW	550kW	660kW	660kW	1063kW
	Max. Input DC Voltage	1000V	900V	1000V	900V	1000V	1000V	1000V	1000V	1000V	1000V
	Max. Input DC Current	243A	524A	620A	620A	601A	1223A	1223A	1201A	1201A	1933A
	MPP Range	450~850V	450~850V	450~850V	450~850V	550~850V	450~850V	450~850V	550~850V	550~850V	550~850V
Output [AC]	Phase	Three Phases									
	Nominal Power	99.4kW	200kW	250kW	250kW	300kW	500kW	500kW	600kW	600kW	1000kW
	Nominal AC Voltage	380V	380V	290V	380V	340V	290V	290V	340V	340V	340V
	Nominal AC Current	151A	304A	498A	380A	509A	996A	996A	1019A	1019A	1925A
	Frequency	60Hz									
	Current THD	<5% (Each difference < 3%)									
	Power Factor	>99%									
Efficiency	Nominal Efficiency	96.8%	97%	97.7%	96.3%	98.8%	98.5% (KTL 98.98%)	98.5%	98.2%	98.4%	98.2%
	Max. Efficiency	97.2%	97.3%	98.1%	96.9%	98.8%	99%	98.6%	98.8%	98.5%	98.5%
	European Efficiency	96.5%	96%	97.9%	96.3%	98.3%	98.2% (KTL 98.78%)	98.1%	98.1%	98%	98%
General Data	Low frequency isolation	T	T	-	T	-	-	-	-	-	-
	Cooling Concept	Forced air cooling									
	Operating Temperature Range	-20 ~ 50°C									
	Relative Humidity	< 95%									
	Display	3.5" FSTN LCD									
	Protection Class	IP20	IP20	IP20	IP20	IP20	IP20	IP44	IP20	IP44	IP44
	Dimensions [ WxDxH, mm ]	1200x850x2120	2400x850x2120	1600x850x2120	2400x850x2120	1600x850x2120	2200x990x2120	2200x1100x2265	2200x990x2120	2200x1100x2265	3000x1100x2420
	Weight	1070kg	2250kg	990kg	2250kg	800kg	1200kg	1700kg	1200kg	1700kg	3720kg
Communication Protocols	RS232/422/485, Ethernet										

※ Detailed specification is subject to change without notice.