

MODEL SG-6KWT

INVERTERS



Efficiency	
Max. Efficiency	98.2%
European efficiency	97.8%
Inputs (PV)	
Max. input voltage	1100V
Max. PV configuration (STC)	150%
Rated input voltage	620V
Max. Input current	2*15A
Max short circuit current	2*20A
Starting input voltage	180V
MPPT operating voltage range	160V-1000V
Max. number of PV strings	2 (1/1)
No. of MPPTs	2
Outputs (network)	
Nominal AC active power	6000W
Max. AC apparent power	6600VA
Max. AC active power (PF=1)	6600W
Max. AC output current	3*10.1A
AC rated voltage	380V / 400V / 415V, 3W+N+PE
AC voltage range (1)	260V-510V (Adjustable)
Nominal grid frequency	50Hz/ 60Hz
Network frequency range(2)	45Hz-55Hz/55Hz-65Hz (Adjustable)
THDI	<3%@Rated Power
DC injection	<0.5%@Rated Current
Power factor	>0.99 Rated power (Adjustable 0.8 LD-0.8 LG)
Protection	
DC switch	Yes
Anti-islanding protection	Yes
AC overcurrent protection	Yes
AC short circuit protection	Yes
DC reverse connection	Yes
Surge arrester	AC Type III (Type II optional) / DC Type III (Type II optional)
Insulation control	Yes
Leakage current protection	Yes
General	
Typology	Transformerless
Environmental protection grade	IP66
Nocturnal self-consumption	<1W
Cooling mode	Natural cooling
Operating temperature range	-25°C-60°C
Relative humidity range	0-100%
Max. operating altitude	4000m
Noise (typical)	30dB
Dimensions (W*H*D)	398mm*460mm*190mm
Weight	23Kg
HMI & COM	
Display	Wireless & APP+LED, LCD (Optional)
Communication	RS485, Optional: WiFi / GPRS / 4G
Certification	
Safety	IEC62109-1/2
GRID	IEC 61000-1/2/3/4, IEC 61727/62116, CEI 021
Warranty	5 / 10 years (optional)

*The output voltage and frequency range may vary according to different grid codes.

*Specifications are subject to change without notice.

designed in Italy