

MODEL **SG-6KW**

INVERTERS



Efficiency	
Max. Efficiency	98.2%
European efficiency	97.4%
Inputs (PV)	
Max. input voltage	550V
Max. PV configuration (STC)	150%
Rated input voltage	360V
Max. Input current	30A (2*15A)
Max short circuit current	40A (2*20A)
Starting input voltage	90V
MPPT operating voltage range	70V-540V
Max. number of PV strings	2 (1/1)
No. of MPPTs	2
Outputs (network)	
Nominal AC active power	6000W
Max. AC apparent power	6000VA
Max. AC active power (PF=1)	6000W
Max. AC output current	27.3A
AC rated voltage	220V/230V, L+N+PE
AC voltage range (1)	160V-300V (Adjustable)
Nominal grid frequency	50Hz/ 60Hz
Network frequency range(2)	45Hz-55Hz/55Hz-65Hz (Adjustable)
THDI	<3% (Rated Power)
DC injection	<0.5%In
Power factor	>0.99 Rated power (Adjustable 0.8 LD-0.8 LG)
Protection	
DC switch	Yes
Anti-island protection	Yes
AC overcurrent protection	Yes
AC short circuit protection	Yes
DC reverse connection	Yes
Surge arrester	DC Type III (Optional) / AC Type III
Insulation control	Yes
Leakage current protection	Yes
General	
Typology	Transformerless
Environmental protection grade	IP65
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)	350mm*347mm*137mm
Weight	8.5Kg
HMI & COM	
Display	Wireless & APP+LED, LCD (Optional)
Communication	Optional: WiFi / GPRS / RS485
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.*

Compatible with SG-B5KW battery

designed in Italy