

MODEL **SG-100KWT**

Efficiency	
Max. Efficiency	98.5%
European efficiency	98%
Inputs (PV)	
Max. input voltage	1100V
Max. PV configuration (STC)	150%
Rated input voltage	620V
Max. Input current	3*40A+5*32A
Max short circuit current	3*50A+5*45A
Starting input voltage / Min. operating voltage	250V/200V
MPPT operating voltage range	200V-1000V
Max. number of PV strings	16(8*2)
No. of MPPT	8
Outputs (Network)	
Nominal AC active power	100000W
Max. AC apparent power	110000VA
Max. AC active power (PF=1)	110000W
Max. AC output current	3*168.8A
AC rated voltage	400V, 3W+N+PE
AC voltage range (1)	277V-520V (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 II / AC Type II
Insulation control	Yes
Leakage current protection	Yes
AFCI extension	Opzionale
PID recovery	Opzionale
PV string monitoring	Opzionale
Monitoring of night load consumption	Opzionale
General	
Typology	Transformerless
Environmental protection grade	IP66
Nocturnal self-consumption	<10W
Cooling mode	Fan cooling
Operating temperature range	-25°C-60°C
Relative humidity range	0-100%
Max. operating altitude	4000m
Noise (typical)	<75dB
Dimensions (W*H*D)	855mm*670mm*356mm
Weight	85Kg
HMI & COM	
Display	Wireless & APP+LED, LCD (Optional)
Communication	RS485, WiFi / GPRS / 4G / LAN (optional)
Certification	
Safety	IEC62109-1/2
Net	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.*

