

MODEL **SG-60KWT**

Efficiency	
Max. Efficiency	99.0%
European efficiency	98.5%
Inputs (PV)	
Max. input voltage	1100V
Max. PV configuration (STC)	150%
Rated input voltage	620V
Max. Input current	156A (39A/39A/39A/39A)
Max short circuit current	180A (45A/45A/45A/45A)
Starting input voltage	250V
MPPT operating voltage range	200V-1000V
Max. number of PV strings	12 (3/3/3/3)
No. of MPPTs	4
Outputs (network)	
Nominal AC active power	60000W
Max. AC apparent power	66000VA
Max. AC active power (PF=1)	66000W
Max. AC output current	3*92A
AC rated voltage	380V / 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
Sneak current protection	Yes
General	
Typology	Transformerless
Environmental protection grade	IP65
Nocturnal self-consumption	<1W
Cooling mode	Fan cooling
Operating temperature range	-25°C-60°C
Relative humidity range	0-100%
Max. operating altitude	4000m
Noise (typical)	<62dB
Dimensions (W*H*D)	855mm*555mm*275mm
Weight	74Kg
HMI & COM	
Display	Wireless & APP+LED, LCD (Optional)
Communication	RS485, WiFi / GPRS / 4G / LAN (optional)
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.

