

11kw Grid connected / With Transformer



- Programmable for protection
- With Sun golden certification
- Easy to install and operate

Input (DC)	TSG11K3 indoor
Max. DC power (@ $\cos\phi=1$)	11.7KW
Max. input voltage	1000V
MPP voltage range (@ 25 °C)	450 V~850 V
Rated input voltage	470V
Maximum input current	25A
Number of independent MPP inputs	1
Number of DC inputs	1
Output (AC)	
Rated power (@25 °C)	11 kVA
Nominal AC voltage / range	400 V / 310 V~450 V
AC power frequency	50Hz,±5Hz
Rated power frequency / rated power voltage	50 Hz / 380 V
Max. output current	16 A
Max. THD	< 3 %
Power factor at rated power	>0.99
Feed-in phases / connection phases	3/3
Efficiency 2)	
Max. efficiency / European efficiency	95 % / 94 %
Protection	
Input side disconnection device	-
Output side disconnection device	yes
Grid monitoring	yes
Ground fault monitoring	opt.
Insulation monitoring	opt.
Galvanic isolation	yes
Surge arrester for auxiliary supply	yes
General Data	
Dimensions (W / H / D)	1109/520/544mm
Weight	200 kg
Operating temperature range	
Max. self-consumption (in operation) / self-consumption (at night)	60 W / < 30 W
External auxiliary supply voltage	230 V, 50 / 60 Hz
Cooling concept	Forced cooling
Degree of protection: electronics / connection area (as per IEC 60529)	IP20
Application	
Maximum permissible value for relative humidity (non-condensing)	15 % ... 95 %
Maximum operating altitude above MSL	2000m
Features	
Display	LCD HMI
Communication protocols	Ethernet / RS485
Analog inputs / overvoltage protection for analog inputs	NO
Certificates and approvals (more upon request)	CGC
Type designation	Indoor