

KSG Series

Three Phase / On-grid / 30–40 kW



Max. PV Voltage up to 1100 V
Type II DC / AC SPD



Compatible for Big Capacity PV Panel
WiFi / Ethernet Plug Optional



DC / AC Ratio up to 1.5
IP66 Protection



High Efficiency up to 98.7%
Smaller and Lighter



MODEL	KSG-30KT-M1	KSG-40KT-M1
Input (DC)		
Max. DC Voltage	1100 V	
Nominal Voltage	650 V	
Start Voltage	250 V	
MPPT Voltage Range	200 ~ 1000 V	
Number of MPPT Tracker	3	
Strings per MPPT Tracker	2	
Max. input Current per MPPT	30 A	
Max. Short-circuit Current per MPPT	40 A	
Output (AC)		
Nominal AC Output Power	30000 W	40000 W
Max. AC Apparent Power	33000 VA	44000 VA
Nominal AC Voltage	230 / 400 V, 3P+N+PE	
AC Grid Frequency Range	50 / 60 Hz (±5 Hz)	
Max. Output Current	47.8 A	63.8 A
Power Factor (cosΦ)	-0.8 (Lagging) ~ 0.8 (Leading)	
THDi	< 3% (Nominal Power)	
Efficiency		
Max. Efficiency	98.7%	98.7%
Euro Efficiency	98.4%	98.4%
Protection Devices		
DC Switch	Yes	
Output Over Current	Yes	
Anti-islanding Protection	Yes	
DC Reverse Polarity Protection	Yes	
String Fault Detection	Optional	
DC / AC Surge Protection	DC Type II; AC Type III; Type II Optional	
Insulation Detection	Yes	
AC Short Circuit Protection	Yes	
General Specifications		
Dimensions (W x H x D)	380 x 483 x 223 mm	380 x 483 x 227 mm
Weight	25.5 kg	32.5 kg
Operating Temperature Range	-25°C ~ +60°C	
Cooling Type	Fan cooling	
Max. Operating Altitude	4000 m	
Max. Operating Humidity	0 ~ 100% (No condensation)	
AC Output Terminal Type	Connector	
IP Class	IP66	
Topology	Transformerless	
Communication	RS-485 / Wifi / Ethernet	
Display	LCD	
Certification & Standard	EN/IEC 62109-1/2; IEC/EN 61000-6-2; IEC/EN 61000-6-4; IEC 61683; IEC 60068; IEC 60529; IEC 62116; IEC 61727; EN 50549-1; VDE-AR-N-4105; VDE 0126-1-1; CEI-021; G 99; C10/11; NB/T 32004-2018;	

* To be used with the SDM630MCT-V2 energy meter, users need to select and supply their own CT, with a specification of 1 A or 5 A.