

KSG Series

Three Phase / On-grid / 25-40 kW



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



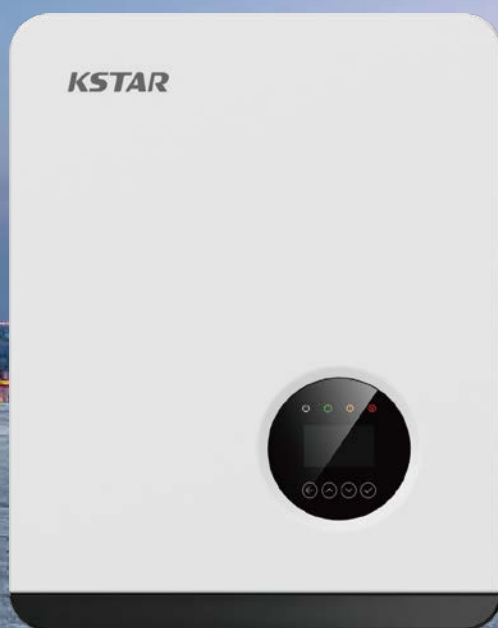
Compatible for big capacity PV panel
WiFi / 4G Plug optional



DC / AC ratio up to 1.5
IP66 Protection



High efficiency up to 98.7%
Smaller and lighter



MODEL	KSG-25KT-M1		KSG-30KT-M1	KSG-40KT-M1
Input(DC)				
Max. DC Voltage	1100 V			
Nominal Voltage	650 V			
Start Voltage	250 V			
MPPT Voltage Range	140 V ~ 1000 V	200 V ~ 1000 V	200 V ~ 1000 V	
Number of MPPT Tracker	2	3	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	25000 W	30000 W	40000 W	
Max. AC Apparent Power	27500 VA	33000 VA	44000 VA	
Nominal AC Voltage	400 V 3L+N			
AC Grid Frequency Range	50 / 60 Hz (±5Hz)			
Max. Output Current	39.9 A	47.8 A	63.8 A	
Power Factor (cosΦ)	0.8 leading - 0.8 lagging			
THDi	3%			
Efficiency				
Max. Efficiency	98.6%	98.7%	98.7%	
Euro Efficiency	98.3%	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	Yes			
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 193 mm	380 x 483 x 223 mm	380 x 483 x 227 mm	
Weight	20.7 kg	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	Transformer - less			
Communication	RS-485 / Wifi / 4G			
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; AS 4777.2; VDE-AR-N-4105; VDE 0126-1-1; CEI-021; G 99; C10/11; NB/T 32004-2018; GB/T 19964-2012			