

# KSG Series

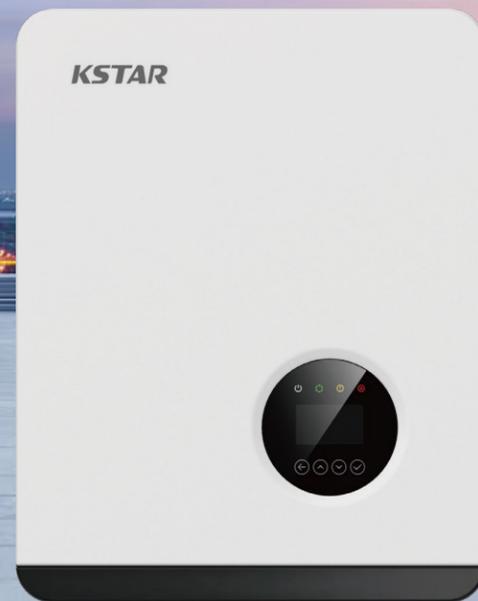
Three Phase / On-grid / 25–40 kW

 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
<b>Input(DC)</b>			
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	
<b>Output(AC)</b>			
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%	
<b>Efficiency</b>			
Max. Efficiency	98.6%	98.7%	98.7%
Euro Efficiency	98.3%	98.4%	98.4%
<b>Protection Devices</b>			
DC Switch		Yes	
Anti-islanding Protection		Yes	
DC Reverse Polarity 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	
<b>General Specifications</b>			
Dimensions(WxDxH)	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		