

KSG Series

Three Phase / On-grid / 25-40 kW



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



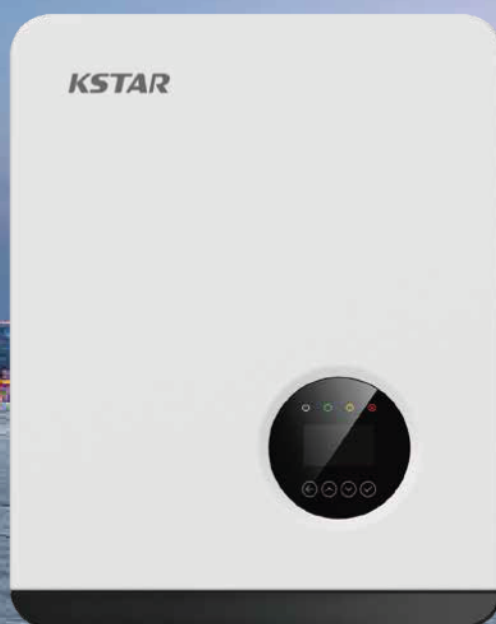
Compatible for Big Capacity PV Panel
WiFi / 4G Plug Optional



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		
Max.PV Power Input(kW)	37.5kW	45kW	60kW

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	230 / 400 V, 3P+N+PE		
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	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 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	Transformerless		
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		