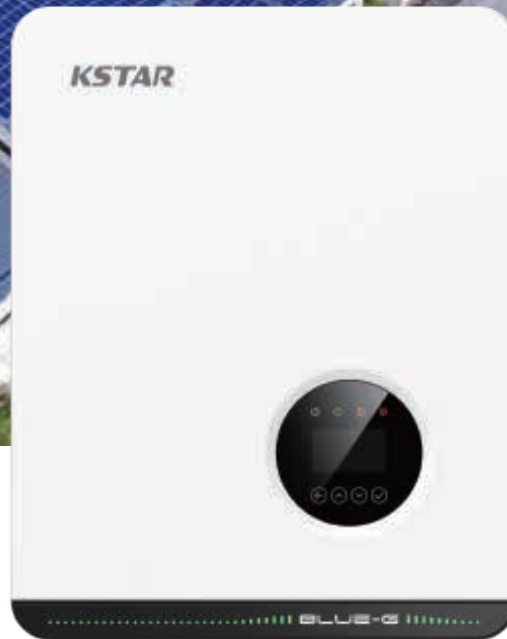




THREE PHASE SERIES

SG-30KT / KSG-40KT



PV On-Grid String Inverter

OPTONICA



Max. PV voltage up to 1100V
Type II DC / Triple MPPT



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

SKU:9492

SKU:9493

MODEL		KSG-30KT	KSG-40KT
Input(DC)			
Max. remonmmed PV power		45000W	60000W
Max. DC voltage		1100V	1100V
Nominal voltage		600V	600V
Start voltage		180V	180V
MPPT voltage range		200 V~1,000V	200 V~1,000V
Number of MPPT tracker		3	3
Strings per MPPT tracker		2	2
Max. input current per MPPT		30A	30A
Max. short-circuit current per MPPT		50A	50A
Output(AC)			
Nominal AC output power		30000W	40000W
Maximum AC output power		33000VA	44000VA
Nominal AC voltage		400V 3L+N	
AC grid frequency range		50 / 60Hz(±5Hz)	
Maximum output current		47.7A	63.6A
Power factor(Φ)		0.8leading-0.8lagging	
THDi		3%	
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		Yes	
AC/DC surge protection		Type II	
Insulation detection		Yes	
AC short circuit protection		Yes	
General Specifications			
Dimensions W x H x D (mm)		380x483x227	
Weight(kg)		< 35	
Operating temperature range		-25°C~+60°C	
Cooling type		Fan cooling	
Max. operation altitude		4000m	
Max. operation humidity		0-100%(No condensation)	
AC Output terminal type		Connector	
IP class		IP66	
Topology		Transformer-less	
Communication		RS485/Wifi/4G	
Display		LCD	
Certification & Standard		EN/IEC62109-1/2 ; IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1; AS 4777.2;VDE-AR-N-4105;VDE 0126-1-1;CEI0-21;G98;G99;C10/C11;NB/T32004-2018 ; GB/T19964-2012	

* Specifications subject to change without prior notice.