

**KSTAR**



**KSTAR PV INVERTER  
CATALOGUE 2020**

**HEADQUARTERS**

Add: 4/F, No.1 Bldg. Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone, Shenzhen 518057, P.R.China  
Tel: +86-755-21389008 Ext 8508 Fax: +86-755-21389006 Website: [www.kstar.com](http://www.kstar.com)  
E-mail: [sales@kstar.com](mailto:sales@kstar.com)



# KSTAR

Powering Green Future



## CONTENTS

<b>String PV Inverter</b> .....	07-24
KSG-1K-SM / KSG-1.5K-SM / KSG-2K-SM / KSG-3K-SM	
KSG-3000S / KSG-3000D / KSG-3600D / KSG-4000D / KSG-4600D / KSG-5000D / KSG-6000D	
KSG-10K / KSG-12K / KSG-15K / KSG-17K / KSG-20K	
KSG-30K / KSG-50K / KSG-60K	
KSG-36K-HV / KSG-50K-HV / KSG-60K-HV	
KSG-100K-ML / KSG-100K-MLM	
KSG-136UH / KSG-200UH	
KSE-2K-048S / KSE-3K-048S / KSE-3.6K-048S / KSE-5K-048S	
KSE-3.6K-048 / KSE-5K-048 / KSE-6K-048	
<b>Central PV Inverter</b> .....	25-30
GSL0500 / GSL0630 / GSL0750	
GSL1000 / GSL1250	
GSM1250 / GSM1500	
<b>Container Solution</b> .....	31-38
GSL1000C / GSL1260C / GSL1500C	
GSL2000C / GSL2500C	
GSM2500C / GSM3000C	
GSM3125C / GSM3400C	
<b>Turnkey MV Solution</b> .....	39-46
GSL2500C-MV	
GSM2500C-MV	
GSM5000C-MV	
GSM6250C-MV / GSM6800C-MV	
<b>Accessories and Monitoring</b> .....	47-50
PV Array Combiner Series	
WiFi Plug / GPRS Plug	
<b>References</b> .....	51-56

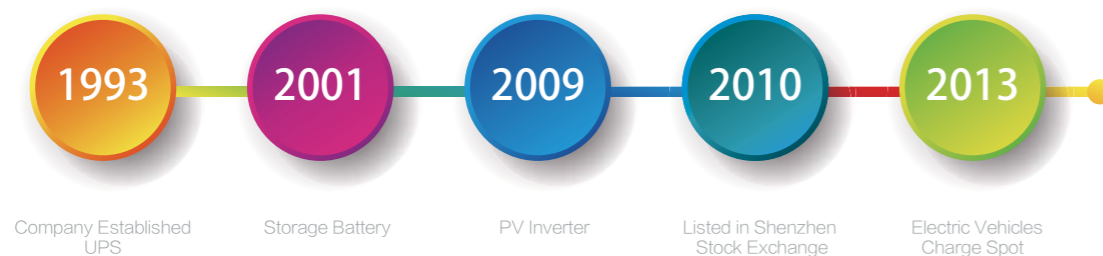




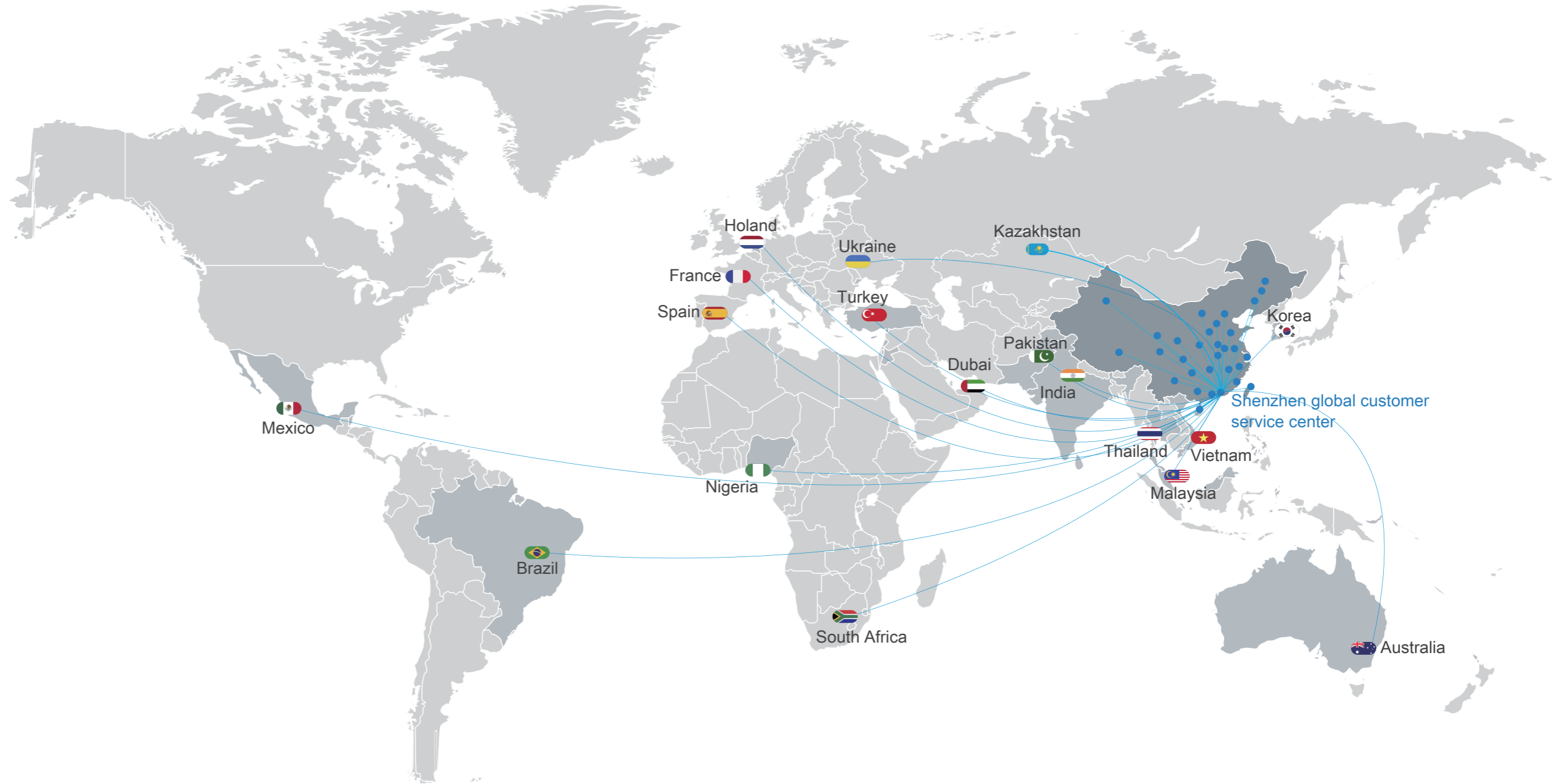
# ABOUT KSTAR

Founded in 1993, Shenzhen KSTAR Science & Technology Co., Ltd (Stock Code:002518) is a National Torch Plan Key High-tech Enterprise, and also a pioneer of UPS industry and a total solution provider for Data Center Critical Infrastructure & PV Inverter Systems in Mainland China. KSTAR is fully committed to the R&D and has been providing high-quality products with full service to over 90 countries and regions worldwide, leading the industrial development with innovation.

## HISTORY



# Global Service Network



 Service Centers Spare Part Centers

 7x24 Response and Support

 18 Overseas Technical Service Centers 40 Overseas Service Engineers

 Global Service Network





**KSG-1K-SM / KSG-1.5K-SM / KSG-2K-SM / KSG-3K-SM**  
String Grid-Tied PV Inverter



Max. PV voltage up to 500V  
Single MPPT



DC/AC surge protection  
IP65 protection



High efficiency up to 97.6%  
Smaller and lighter



Easy installation  
WiFi / GPRS Plug optional

**Technical Specifications**

MODEL	KSG-1K-SM	KSG-1.5K-SM	KSG-2K-SM	KSG-3K-SM
<b>Input</b>				
Max. DC voltage / Rated DC voltage	500Vdc / 380Vdc			
MPPT voltage range	90~490Vdc		100~490Vdc	
Full load MPPT voltage range	105~400Vdc	145~400Vdc	190~400Vdc	240~400Vdc
Min. / start DC voltage	90 / 100Vdc		120 / 150Vdc	
Number of MPPT	1			
Strings per MPPT	1			
Max. input current per MPPT	11A			13A
<b>Output</b>				
Max. AC output power	1000W	1500W	2000W	3000W
Rated AC voltage	230Vac			
AC voltage range	230Vac±20%			
Rated AC grid frequency	50 / 60Hz			
AC grid frequency range	50 / 60Hz(±5Hz)			
Max. output current	4.5A	7A	9A	14A
Power factor (cosΦ)	0.9 leading ~0.9 lagging			
THDi	<3%			
AC connection	LN+PE			
Topology	Transformer-less			
<b>Efficiency</b>				
Max. efficiency	96.5%		97.6%	
Euro efficiency	96%		97%	
Standby consumption	<5W			
<b>Protection devices</b>				
AC leakage current fault protection	Yes			
Ground fault protection	Yes			
Anti-islanding protection	Yes			
DC overvoltage protection	Yes			
DC surge protection	Yes			
AC surge protection	Yes			
DC reverse-polarity protection	Yes			
<b>Physical</b>				
Dimensions W x H x D (mm)	264 / 326 / 127			
Weight(kg)	7.6	8.1	8.6	
<b>Environment</b>				
Operating temperature range	-25°C~+60°C			
Noise emission (typical)	<25dB			
Cooling type	Natural cooling			
Protection rating	IP65			
<b>Features</b>				
LCD display	Yes			
Interfaces	RS485			
Optional	DC Switch / WiFi Plug / GPRS Plug			

Specifications subject to change without prior notice.

**KSG-3000S / KSG-3000D / KSG-3600D / KSG-4000D / KSG-4600D / KSG-5000D / KSG-6000D**

String Grid-Tied PV Inverter



Max. PV voltage up to 600V  
DC power up to 1.35 ratio



DC/AC surge protection  
IP65 protection



High efficiency up to 97.8%  
Smaller and lighter



Reactive power controller  
WiFi / GPRS Plug optional

**Technical Specifications**

MODEL	KSG-3000S	KSG-3000D	KSG-3600D	KSG-4000D	KSG-4600D	KSG-5000D	KSG-6000D
<b>Input</b>							
Max. DC power	4050W	4050W	4860W	5400W	6210W	6750W	8100W
Max./Rated DC voltage	600V / 380V						
Min. / Start DC voltage	120V / 150V						
MPPT voltage range	80V-550V						
Number of MPPT	1	2					
Strings per MPPT	1						
Max. input current per MPPT	13A	11A					
<b>Output</b>							
Rated AC output power	3000W	3000W	3600W	4000W	4600W	5000W	6000W
Max. AC output power	3300W	3300W	3960W	4400W	5060W	5500W	6600W
Rated AC voltage	230Vac						
AC voltage range	230Vac±20%						
Rated AC grid frequency	50 / 60Hz						
AC grid frequency range	50 / 60Hz(±5Hz)						
Max. output current	14.3A	17.2A	19.1A	22A	23.9A	28.7A	
Power factor (cosΦ)	0.8 leading ~ 0.8 lagging						
THDi	<3%						
AC connection	LN+PE						
Topology	Transformer-less						
<b>Efficiency</b>							
Max. efficiency	97.8%						
Euro efficiency	97.5%						
Standby consumption	<5W/<1W						
<b>Protection devices</b>							
Residual current monitoring unit	Yes						
Ground fault protection	Yes						
Anti-islanding protection	Yes						
Output over voltage protection	Yes						
Output over current protection	Yes						
Output short protection	Yes						
DC reverse-polarity protection	Yes						
<b>Physical</b>							
Dimensions W x H x D (mm)	380X380X150						
Weight(kg)	10			11			
<b>Environment</b>							
Operating temperature range	-25°C~+60°C						
Noise emission (typical)	<25dB						
Cooling type	Natural cooling						
Protection rating	IP65						
<b>Features</b>							
Display	LED & LCD						
Interfaces	RS485						
Optional	DC Switch / WiFi Plug / GPRS Plug						

Specifications subject to change without prior notice.



**KSG-10K / KSG-12K / KSG-15K / KSG-17K / KSG-20K**  
String Grid-Tied PV Inverter



Max. PV voltage up to 1000V  
Dual MPPT



DC/AC surge protection  
IP65 protection



High efficiency up to 98%  
Smaller and lighter



Reactive power controller  
WiFi / GPRS Plug optional

**Technical Specifications**

MODEL	KSG-10K	KSG-12K	KSG-15K	KSG-17K	KSG-20K
<b>Input</b>					
Max. DC voltage	1000Vdc				
MPPT voltage range	250~950Vdc				
Full load voltage range	480~800Vdc				
Rated DC voltage	620Vdc				
Min. / start DC voltage	200 / 250Vdc				
Number of MPPT	2				
Strings per MPPT	1		2		
Max. input current per MPPT	13A/13A		21A/21A		
<b>Output</b>					
Rated AC output power	10kW	12kW	15kW	17kW	20kW
Max. AC output power	11kW	13kW	16kW	18kW	22kW
Rated AC voltage	400Vac				
AC voltage range	400Vac±20%				
Rated AC grid frequency	50 / 60Hz				
AC grid frequency range	50 / 60Hz(±5Hz)				
Max. output current	17A	20A	24A	27A	32A
Power factor (cosΦ)	0.8leading-0.8lagging				
THDi	<3%				
AC connection	3W+N+PE/3W+PE				
Topology	Transformer-less				
<b>Efficiency</b>					
Max. efficiency	98%				
Euro efficiency	97.5%				
<b>Protection devices</b>					
AC leakage current fault protection	Yes				
Ground fault protection	Yes				
Anti-islanding protection	Yes				
DC overvoltage protection	Yes				
DC surge protection	Yes				
AC surge protection	Yes				
DC reverse-polarity protection	Yes				
<b>Physical</b>					
Dimensions W x H x D (mm)	553x715x228				
Weight(kg)	35		39		
<b>Environment</b>					
Operating temperature range	-25°C~+60°C				
Noise emission (typical)	<40dB				
Cooling type	Natural cooling				
Protection rating	IP65				
<b>Features</b>					
LCD display	Yes				
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)				

Specifications subject to change without prior notice.

**KSG-30K / KSG-50K / KSG-60K**  
String Grid-Tied PV Inverter



Max. PV voltage up to 1000V  
Three MPPT



DC/AC Type II SPD optional  
Positive DC fuse optional



High efficiency up to 98.6%  
String monitoring optional



Reactive power controller  
LVRT/HVRT/FRT function

Technical Specifications

MODEL	KSG-30K	KSG-50K	KSG-60K
<b>Input</b>			
Max. DC voltage	1000Vdc		
MPPT voltage range	250~950Vdc		
Full load MPPT voltage range	400~800Vdc	480~800Vdc	500~800Vdc
Rated DC voltage	620Vdc		
Min. / start DC voltage	200 / 250Vdc		
Number of MPPT	3		
Strings per MPPT	2	4	
Max. input current per MPPT	26A	36A	40A
<b>Output</b>			
Rated AC output power	30kW	50kW	60kW
Max. AC output power	33kW	55kW	66kW
Rated AC voltage	400Vac		
AC voltage range	400Vac±20%		
Rated AC grid frequency	50 / 60Hz		
AC grid frequency range	50 / 60Hz(±5Hz)		
Rated output current	44A	72A	87A
Max. output current	48A	80A	95A
Power factor (cosΦ)	0.8leading-0.8lagging		
THDi	<3%		
AC connection	3W+N+PE/3W+PE		
Topology	Transformer-less		
<b>Efficiency</b>			
Max. efficiency	98.3%	98.6%	
Euro efficiency	98.0%	98.2%	
<b>Protection devices</b>			
AC leakage current fault protection	Yes		
LVRT	Yes		
Ground fault protection	Yes		
Anti-islanding protection	Yes		
DC overvoltage protection	Yes		
DC surge protection	Yes		
AC surge protection	Yes		
DC reverse-polarity protection	Yes		
<b>Physical</b>			
Dimensions W x H x D (mm)	636×958×260		
Weight(kg)	61	68	70
<b>Environment</b>			
Operating temperature range	-25°C~+60°C		
Noise emission (typical)	<40dB	<60dB	
Cooling type	Natural cooling	Fans	
Protection rating	IP65		
<b>Features</b>			
LCD display	Yes		
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)		

Specifications subject to change without prior notice.



**KSG-36K-HV / KSG-50K-HV / KSG-60K-HV**  
String Grid-Tied PV Inverter



Max. PV voltage up to 1000V  
Three MPPT



DC/AC Type II SPD optional  
Positive DC fuse optional



High efficiency up to 98.6%  
String monitoring optional



Reactive power controller  
LVRT/HVRT/FRT function


**Technical Specifications**


MODEL	KSG-36K-HV	KSG-50K-HV	KSG-60K-HV
<b>Input</b>			
Max. DC voltage	1000Vdc		
MPPT voltage range	250~950Vdc		
Full load MPPT voltage range	550~800Vdc		
Rated DC voltage	720Vdc		
Min. / start DC voltage	200 / 250Vdc		
Number of MPPT	3		
Strings per MPPT	2	4	
Max. input current per MPPT	26A	36A	
<b>Output</b>			
Rated AC output power	36kW	50kW	60kW
Max. AC output power	40kW	55kW	66kW
Rated AC voltage	480Vac		
AC voltage range	480Vac±10%		
Rated AC grid frequency	50 / 60Hz		
AC grid frequency range	50 / 60Hz(±5Hz)		
Rated output current	44A	61A	72A
Max. output current	48A	67A	80A
Power factor (cosΦ)	0.8leading-0.8lagging		
THDi	<3%		
AC connection	3W+PE		
Topology	Transformer-less		
<b>Efficiency</b>			
Max. efficiency	98.5%	98.6%	
Euro efficiency	98.2%		
<b>Protection devices</b>			
AC leakage current fault protection	Yes		
LVRT	Yes		
Ground fault protection	Yes		
Anti-islanding protection	Yes		
DC overvoltage protection	Yes		
DC surge protection	Yes		
AC surge protection	Yes		
DC reverse-polarity protection	Yes		
<b>Physical</b>			
Dimensions W x H x D (mm)	636×958×260		
Weight(kg)	61	68	
<b>Environment</b>			
Operating temperature range	-25°C~+60°C		
Noise emission (typical)	<40dB	<60dB	
Cooling type	Natural cooling	Fans	
Protection rating	IP65		
<b>Features</b>			
LCD display	Yes		
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)		


Specifications subject to change without prior notice.


**KSG-100K-ML/ KSG-100K-MLM**  
String Grid-Tied PV Inverter



 1100Vdc, 400Vac  
1/9 MPPT 18 DC inputs

 DC/AC Type II SPD optional  
Smart I-V curve function

 High efficiency up to 99.0%  
LED+ LCD

 Reactive power controller  
LVRT/HVRT/FRT function

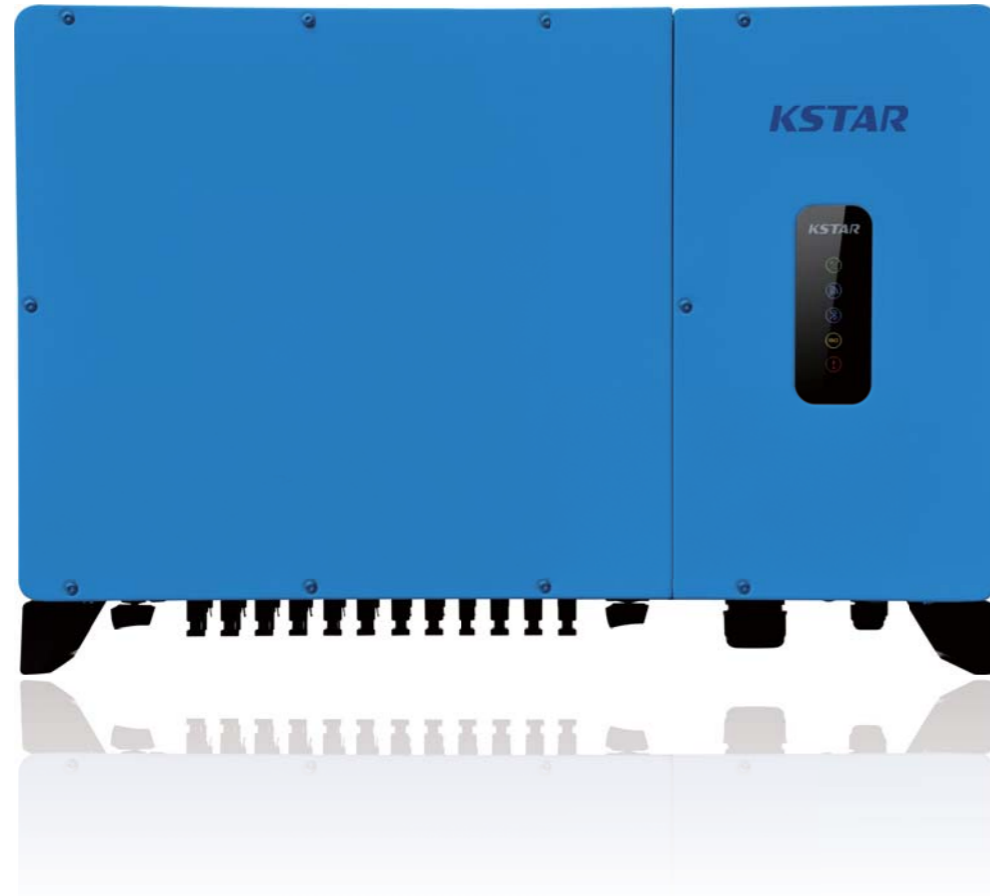
**Technical Specifications**


MODEL	KSG-100K-ML	KSG-100K-MLM
<b>Input</b>		
Max. DC voltage	1100V	1100V
MPPT voltage range	570~1000Vdc	200~1000Vdc
Full load MPPT voltage range	570~850Vdc	550~850Vdc
Rated DC voltage	710Vdc	620V
Min. / start DC voltage	570 / 620Vdc	200 / 250Vdc
Number of MPPT	1	9
Strings per MPPT	18	2
Max. input current per MPPT	198A	26A
<b>Output</b>		
Rated AC output power	100kW	
Max. AC output power	110kW	
Rated AC voltage	400Vac	
AC voltage range	400Vac±20%	
Rated AC grid frequency	50 / 60Hz	
AC grid frequency range	50 / 60Hz(±5Hz)	
Rated output current	145A	
Max. output current	160A	
Power factor (cosΦ)	0.8leading-0.8lagging	
THDi	<3%	
AC connection	3W+N+PE/3W+PE	
Topology	Transformer-less	
<b>Efficiency</b>		
Max. efficiency	99.0%	
Euro efficiency	98.7%	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
DC surge protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
<b>Physical</b>		
Dimensions W x H x D (mm)	880x595x295	1050x600x320
Weight(kg)	60	82
<b>Environment</b>		
Operating temperature range	-25°C~+60°C	
Noise emission (typical)	<60dB	
Cooling type	Fans	
Protection rating	IP65	
<b>Features</b>		
LCD display	Yes	
Interfaces	RS485 (WiFi Plug/GPRS Plug optional)	


Specifications subject to change without prior notice.





**KSG-136UH / KSG-200UH**  
String Grid-Tied PV Inverter



 1500Vdc, 800Vac  
6/12 MPPT 12/24 DC inputs

 AFCI function  
Smart I-V curve function

 High efficiency up to 99.0%  
LED+ Bluetooth APP

 Night SVG function optional  
LVRT/HVRT/FRT function

Technical Specifications

MODEL	KSG-136UH	KSG-200UH
<b>Input</b>		
Max. DC voltage	1500Vdc	
MPPT voltage range	600~1500Vdc	
Rated input voltage	1080Vdc	
Start DC voltage	650Vdc	
Number of MPPT	6	12
Strings per MPPT	2	
Max. input current per MPPT	26A	
Max. Short Current per MPPT	35A	
<b>Output</b>		
Rated AC output power	136kW	200kW @40°C, 175kW @50°C
Max. AC output power	150kW	220kW
Rated AC voltage	800Vac	
AC voltage range	640~920V	
Rated AC grid frequency	50 / 60Hz	
AC grid frequency range	50 / 60Hz(±5Hz)(adjustable)	
Rated. output current	98.1A	144.3A @40°C, 126.3A @50°C
Max. output current	108A	158.8A
Power factor (cosΦ)	0.8leading-0.8lagging	
THDi	<3%	
AC connection	3W+PE	
Topology	Transformer-less	
<b>Efficiency</b>		
Max. efficiency	99.0%	
Euro efficiency	98.5%	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
Overvoltage protection	DC Type II / AC Type II	
<b>Physical</b>		
Dimensions W x H x D (mm)	985x675x282	1085x675x282
Weight(kg)	85	90
<b>Environment</b>		
Operating temperature range	-25°C~ +60°C	
Noise emission (typical)	<60dB	<70dB
Cooling type	Smart Air Cooling	
Protection rating	IP66	
<b>Features</b>		
Display	LED Indicator, Bluetooth+APP	
Interfaces	RS485 / PLC (Optional)	

Specifications subject to change without prior notice.

**KSE-2K-048S / KSE-3K-048S / KSE-3.6K-048S / KSE-5K-048S**  
Residential Hybrid Inverter



Dual MPPT  
Compatible with Li-ion and Lead-acid



Inbuilt UPS function  
IP65 protection



Integrated EMS via LCD  
On-grid and Off-grid mode



Reactive power controller  
Export control function

Technical Specifications

Model	KSE-2K-048S	KSE-3K-048S	KSE-3.6K-048S	KSE-5K-048S
<b>PV Input</b>				
Max. PV input power	2600W	3900W	4800W	6000W
Max. PV input voltage	550Vdc (*1)			
MPPT voltage range	120~500Vdc			
Rated input voltage	420Vdc			
MPPT range for full load	236~500V	178~500V	219~500V	273~500V
Number of MPPT	1		2	
Max. PV input current	11A		11A*2	
<b>AC Output(On-grid)</b>				
Rated output voltage	230Vac			
Output voltage range	150V~280V			
Output frequency range	50 / 60Hz (±5Hz)(adjustable)			
Max. current from utility grid	23A			
Max. apparent power from utility grid	5300VA			
Max. power output to utility grid	2000W	3000W	3680W	5000W(*2)
Max. current output to utility grid	9A	13.5A	16A	22A(*3)
AC output connection	L+N+PE, Transformerless			
Power factor (cosφ)	1(0.8 leading ~ 0.8 lagging) (adjustable)			
THDi	<3%			
<b>AC Output(Back-up)</b>				
Rated output voltage	230Vac (Fluctuation range±2%)			
Rated output frequency	50/60Hz (Fluctuation range±0.2%)			
Rated output current	9A		13A	
Rated output power	2000W		3000W	
Max. output apparent power	2400VA		3300VA	
THDv	<2% (Linear load)			
Automatic switch time	<20ms			
<b>Battery Input</b>				
Battery type	Li-ion or lead-acid			
Rated battery voltage	48V			
Depth of discharging	Li-ion 90%DOD(10%~90% adjustable) / Lead-acid 50%DOD(10%~50% adjustable)			
Max. discharging current(*4)	65A			
Max. charging current(*5)	50A (5~50A adjustable)			
Max. discharging power	2200W		3200W	
Max. charging power	2000W		2500W	
<b>Efficiency</b>				
Max. conversion efficiency (from battery)	94.0%			
Max. conversion efficiency (from PV)	97.6%			
Euro efficiency	97.0%			
Protection function	Short Circuit Protection, AC Leakage Fault Protection, Grounding Fault Protection, Anti-islanding Protection, Overload Protection, Surge Protection, DC Polarity Protection			
<b>General</b>				
Cooling	Natural Convection			
DC switch	Optional			
Communication interface	RS485/CAN2.0/WIFI			
Dimensions W x H x D (mm)	359x467x170			
Weight (Kg)	15		17	
Operating temperature range	-20 C ~ +60 C (Rated Power@45 C )			
Humidity range	0~95% (No condensation)			
Altitude	≤ 2000m			
Protection	IP65			
<b>Certification &amp; Standard</b>				
Grid regulation	AS/NZS 4777.2, VDE-AR-N4105, VDE0126-1-1			
Safety regulation	IEC/EN 62109-1&2, IEC62040-1			
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29			

\*1. Max. operating voltage is 530V.

\*2. It will be 4600W under the selection of VDE-AR-N4105 & VDE0126-1-1.

\*3. It will be 21.7A under the selection of AS 4777.2.

\*4. For Lead-acid batteries, the default discharging current limit is shown in the table, and Li-ion batteries discharging current is in accordance with BMS instructions, but not more than the value shown in the table.

\*5. For Lead-acid batteries, the default charging current is 0.1C. The default charging current can be set by APP as shown in the table, and the Li-ion batteries charging current is in accordance with BMS instructions, but not more than the value shown in the table.

**KSE-3.6K-048 / KSE-5K-048 / KSE-6K-048**  
Residential Hybrid Inverter



Dual MPPT  
Compatible with Li-ion and Lead-acid



Inbuilt UPS function  
IP65 protection



Integrated EMS via LCD  
On-grid and Off-grid mode



Reactive power controller  
Export control function


**Technical Specifications**


Model	KSE-3.6K-048	KSE-4.6K-048	KSE-5K-048
<b>PV Input Data</b>			
PV Max. power	4400W	6000W	
Max. input voltage	550Vdc		
MPPT voltage range	120~500Vdc		
Nominal input voltage	420V		
MPPT voltage range(for full-load)	184 ~ 500 V	230 ~ 500 V	
No. of MPPTs	2		
Max. PV input current	13A×2		
<b>AC Output Data(On-grid)</b>			
Nominal AC output power	3680W	4600W	5000W
Max. AC output power	3680W	4600W	5000W
Nominal AC voltage	230Vac		
AC voltage range	180V~280V		
AC output type	L+N+PE, Transformerless (for solar)		
Grid frequency range	50 / 60Hz (±5Hz), Adjustable		
Max. output current	16A	20A	22A
Power factor (cosΦ)	0.8 Leading ~0.8 Lagging		
THDi	<3 % (of nominal power)		
<b>AC Output Data(Backup)</b>			
Nominal output power	3680W	4600W	4600W
Nominal output voltage	230 (±2%)		
Nominal output frequency	50/60Hz (±0.2%)		
THDv	<2% (Linear Load)		
Transfer time	<10ms		
Over-load capacity	5520VA (150% 10s)	6900VA (150% 10s)	6900VA (150% 10s)
<b>Battery Data</b>			
Battery type	Li-ion battery / Lead-acid battery		
Battery voltage range	40~58V		
Battery AH	100~2000Ah		
Depth Of Discharge	Li-ion 90%DOD(10%~90% adjustable) / Lead-acid 50%DOD(10%~50% adjustable)		
Max. discharging current	100A		
Max. charging current	80A(0~80A)		
<b>Efficiency</b>			
Max. efficiency/Euro. efficiency	>97.6% / >97%		
<b>General Data</b>			
Protection	Short circuit protection;AC leakage fault protection;Grounding fault protection;Anti-islanding protection;Overload protection;Surge protection;DC polarity protection;		
Cooling method	Natural convection		
DC switch (solar)	Optional		
Communication	RS485, Wi-Fi , CAN, Ethernet ( Optional )		
<b>Physical</b>			
Dimensions (W x H x D)mm	527x472x180		
Weight(kg)	25	26	
Display	Graphic LCD		
Mounting method	Wall-mounting bracket		
<b>Environment</b>			
Operating temperature range	-20 C ~ +60 C (45 C in nominal power )		
Relative humidity range	0~95% (non-condensing)		
Operating altitude	≤ 2000m		
Noise emission	<35dB		
Ingress protection rating	IP65		
Certification	Safety I EC/EN62109-1,IEC/EN62109-2,VDE0126-1-1, VD E ARN4105,G83/59/EEG2012,AS3100/4777, CEI 0-21,etc, EMC EN61000-6-2,EN61000-6-3,EN61000-3-11,EN61000-3-1 2,etc		




GSLO500 / GSLO630 / GSLO750  
Central Grid-Tied PV Inverter



 Max. PV voltage up to 1000V  
Max. 10 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 55°C

 Dustproof protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function


Technical Specifications


MODEL	GSLO500	GSLO630	GSLO750
<b>Input</b>			
Max. DC input voltage	1000Vdc		
MPPT voltage range	450~850Vdc	520~850Vdc	500~850Vdc
Number of DC input	8	9	10
Max. input current	1200A	1400A	1500A
<b>Output</b>			
Rated output power	500kW	630kW	750kW
Max. output power	550kW	690kW	825kW
Rated output voltage	315Vac	360Vac	350Vac
Output voltage range	(1±20%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)		
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)		
Rated AC output current	916A	1010A	1237A
Max. AC output current	1008A	1111A	1360A
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)		
THDi	<3%		
<b>System features</b>			
Max. efficiency	98.7%		
Euro efficiency	98.5%		
MPPT efficiency	>99%		
Standby (night time) losses	<50W		
Cooling type	Forced air cooling		
Communication interface	RS485, External Ethernet (optional)		
<b>Environment</b>			
Operating temperature range	-40 C ~ +60 C (More than 55 C derating)		
Humidity range	0 ~ 95% (non-condensing)		
Altitude	3000m		
Noise level	<65dB		<70dB
Protection rating	IP21		
<b>Protection devices</b>			
AC leakage current fault protection	Yes		
LVRT	Yes		
Ground fault protection	Yes		
Anti-islanding protection	Yes		
DC overvoltage protection	Yes		
DC surge protection	Yes		
AC surge protection	Yes		
DC reverse-polarity protection	Yes		
<b>Physical</b>			
Dimensions W x D x H (mm)	1200x800x2000		1600x850x2000
Weight(kg)	1200	1300	1450


Specifications subject to change without prior notice.


**GSL1000 / GSL1250**  
Central Grid-Tied High Efficiency PV Inverter



 Max. PV voltage up to 1000V  
Max. 20 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 55°C

 Dustproof protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function


**Technical Specifications**


MODEL	GSL1000	GSL1250
<b>Input</b>		
Max. DC input voltage	1000Vdc	
MPPT voltage range	580~850Vdc	
Number of DC input	8(400A) / 20(200A)	
Max. input current	1935A	2200A
<b>Output</b>		
Rated output power	1000kW	1250kW
Max. output power	1100kW	1375kW
Rated output voltage	400Vac	
Output voltage range	(1±20%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	1444A	1804A
Max. AC output current	1588A	1985A
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)	
THDi	<3%	
<b>System features</b>		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<50W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
<b>Environment</b>		
Operating temperature range	-40 C ~ + 60 C (More than 55 C derating)	
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP21	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
DC surge protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
<b>Physical</b>		
Dimensions W x D x H (mm)	2100x750x2100	
Weight(kg)	1600	1700


Specifications subject to change without prior notice.

**GSM1250 / GSM1500**  
Central Grid-Tied High Efficiency PV Inverter



 Max. PV Voltage up to 1500V  
Max. 12 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 55°C

 Dustproof protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function

**Technical Specifications**

MODEL	GSM1250	GSM1500
<b>Input</b>		
Max. DC input voltage	1500Vdc	
MPPT voltage range	800~1300Vdc	900~1300Vdc
Number of DC input	10	12
Max. input current	1750A	1870A
<b>Output</b>		
Rated output power	1250kW	1500kW
Max. output power	1375kW	1500kW
Rated output voltage	550Vac	600Vac
Output voltage range	(1±15%)×Rated AC Voltage (adjustable ±5%,±10%,±15%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	1312A	1443A
Max. AC output current	1443A	1443A
Power factor (cosΦ)	1 (0.9 leading ~ 0.9 lagging) (adjustable)	
THDi	<3%	
<b>System features</b>		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<50W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
<b>Environment</b>		
Operating temperature range	-40 C ~ +60 C (More than 55 C derating)	-40 C ~ +60 C (More than 50 C derating)
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP21	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
DC surge protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
<b>Physical</b>		
Dimensions W x D x H (mm)	1600x750x2100	
Weight(kg)	1600	

Specifications subject to change without prior notice.



**GSL1000C / GSL1260C / GSL1500C**  
DC1000V Container Solution



Max. PV voltage up to 1000V  
Max. 20 DC inputs



Max. DC/AC ratio up to 1.5  
Full power output under 50°C



IP54 outdoor protection  
Modular design for  
Easy maintenance



AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function


**Technical Specifications**


MODEL	GSL1000C	GSL1260C	GSL1500C
<b>Input</b>			
Max. DC input voltage	1000Vdc		
MPPT voltage range	450~850Vdc	520~850Vdc	500~850Vdc
Number of DC input	14(14~16 optional)	16(16~18 optional)	20(20~24 optional)
Max. input current	2400A	2800A	3000A
<b>Output</b>			
Rated output power	1000kW	1260kW	1500kW
Max. output power	1100kW	1380kW	1650kW
Rated output voltage	315Vac	360Vac	350Vac
AC output topology	3W+PE		
Output voltage range	(1±20%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)		
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)		
Rated AC output current	1836A	2020A	2474A
Max. AC output current	2014A	2222A	2720A
Power factor (cosΦ)	1 ( 0.9 leading – 0.9 lagging) (adjustable)		
THDi	<3%		
<b>System features</b>			
Max. efficiency	98.7%		
Euro efficiency	98.5%		
MPPT efficiency	>99%		
Standby (night time) losses	<100W		
Cooling type	Forced air cooling		
Communication interface	RS485, External Ethernet (optional)		
<b>Environment</b>			
Operating temperature	-40 C ~ +60 C ( More than 50 C derating)		
Humidity range	0 ~ 95% (non-condensing)		
Altitude	3000m		
Noise level	<65dB		<75dB
Protection rating	IP54		
<b>Physical</b>			
Dimensions W x D x H (mm)	2991x2438x2591		
Weight(t)	5	5.2	5.5


Specifications subject to change without prior notice.


**GSL2000C / GSL2500C**  
DC1000V Container Solution



 Max. PV voltage up to 1000V  
Max. 40 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 50°C

 IP54 outdoor protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function


Technical Specifications


MODEL	GSL2000C	GSL2500C
<b>Input</b>		
Max. DC input voltage	1000Vdc	
MPPT voltage range	580~850Vdc	
Number of DC input	16(400A) / 40(200A)	
Max. input current	3870A	4400A
<b>Output</b>		
Rated output power	2000kW	2500kW
Max. output power	2200kW	2750kW
Rated output voltage	400Vac	
Output voltage range	(1±20%)×Rated AC Voltage (adjustable ±5%,±10%,±15%,±20%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	2888A	3608A
Max. AC output current	3176A	3970A
Power factor (cosΦ)	1 (0.9 leading - 0.9 lagging) (adjustable)	
THDi	<3%	
<b>System features</b>		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<100W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
<b>Environment</b>		
Operating temperature range	-40 C ~ +60 C (More than 50 C derating)	
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP54	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
<b>Physical</b>		
Dimensions W x D x H (mm)	2991x2438x2591	
Weight(t)	5	5.2


Specifications subject to change without prior notice.

**GSM2500C / GSM3000C**  
DC1500V Container Solution



 Max. PV voltage up to 1500V  
Max. 24 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 50°C

 IP54 outdoor protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function

Technical Specifications


MODEL	GSM2500C	GSM3000C
<b>Input</b>		
Max. DC input voltage	1500Vdc	
MPPT voltage range	800~1300Vdc	900~1300Vdc
Number of DC input	20	24
Max. input current	3500A	3740A
<b>Output</b>		
Rated output power	2500kW	3000kW
Max. output power	2750kW	3000kW
Rated output voltage	550Vac	600Vac
Output voltage range	(1±15%)×Rated AC Voltage (adjustable ±5%,±10%,±15%)	
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)	
Rated AC output current	2624A	2886A
Max. AC output current	2886A	2886A
Power factor (cosΦ)	1 (0.9 leading – 0.9 lagging) (adjustable)	
THDi	<3%	
<b>System features</b>		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Standby (night time) losses	<100W	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (optional)	
<b>Environment</b>		
Operating temperature range	-40 C ~ +60 C (More than 50 C derating)	-40 C ~ +60 C (More than 45 C derating)
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP54	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
<b>Physical</b>		
Dimensions W x D x H (mm)	2991x2438x2591	
Weight(t)	5	5.2


Specifications subject to change without prior notice.




**GSM3125C / GSM3400C**  
DC1500V Container Solution



 Max. PV voltage up to 1500V  
Max. 28 DC inputs

 IP54 outdoor protection  
Modular design for  
Easy maintenance

 Max. DC/AC ratio up to 1.5  
Full power output under 50°C

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function

**GSM Series Technical Specifications**


MODEL	GSM3125C	GSM3400C
<b>Input</b>		
Max. DC input voltage	1500Vdc	
MPPT voltage range	920-1300Vdc	
Number of MPPT	2	
Number of DC input	28	
Max. input current	4080A	
<b>Output</b>		
Rated output power	3125kW	3400kW
Max. output power	3600KW ( 25° C )	
Rated output voltage	630Vac	
AC voltage range	504V-693V (adjustable)	
Rated grid frequency	50/60Hz	
Grid frequency range	50/60( ± 4.5Hz) (adjustable)	
Power factor (cos Φ)	1( 0.8 leading-0.8 lagging ) (adjustable)	
THDi	<3%	
Grid connection system	3W+PE	
<b>System Features</b>		
Max. efficiency	99%	
Euro efficiency	98.7%	
MPPT efficiency	>99%	
Cooling type	Forced air cooling	
Communication interface	RS485	
<b>Protection Devices</b>		
AC leakage current fault protection	Yes	
LVRT/HVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
DC surge protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
<b>Environment</b>		
Operating temperature	- 40°C ~ + 60°C ( More than 50°C derating )	- 40°C ~ + 60°C ( More than 45°C derating )
Humidity range	0 ~ 95% (non-condensing)	
Altitude	3000m	
Noise level	<65dB	
Protection rating	IP54	
<b>Physical</b>		
Dimensions W x D x H (mm)	2991x2438x2591	
Weight(t)	5	


Specifications subject to change without prior notice.


**GSL2500C-MV**

DC1000V Turnkey Solution ( Inverter+MV Transformer+RMU )



 Max. PV voltage up to 1000V  
Max. 40 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 50°C

 IP54 outdoor protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function

**Technical Specifications**


MODEL		GSL2500C-MV
<b>Input</b>		
Max. DC input voltage		1000Vdc
MPPT voltage range		580~850Vdc
Number of DC input		16(400A) / 40 (200A)
Max. input current		3870A
<b>Output</b>		
Rated output power		2500kW
Max. output power		2750kW
AC output voltage		10~35kV
LV/MV voltage		0.4kV / 10~35kV
Grid frequency range		50 / 60Hz(±4.5Hz) (adjustable)
Power factor (cosΦ)		1 ( 0.9 leading ~ 0.9 lagging) (adjustable)
THDi		<3%
<b>System features</b>		
Inverter Max. efficiency		99%
Inverter Euro efficiency		98.7%
MPPT efficiency		>99%
Cooling type		Forced air cooling
Communication interface		RS485, External Ethernet (optional)
<b>Environment</b>		
Operating temperature range		-40 C ~ +60 C ( More than 50 C derating)
Humidity range		0 ~ 95% (non-condensing)
Altitude		2000m
Noise level		<65dB
Protection rating		IP54
<b>Protection devices</b>		
AC leakage current fault protection		Yes
LVRT		Yes
Ground fault protection		Yes
Anti-islanding protection		Yes
DC overvoltage protection		Yes
DC surge protection		Yes
AC surge protection		Yes
DC reverse-polarity protection		Yes
<b>Physical</b>		
Dimensions W x D x H (mm)		6058X2438X2896
Weight(t)		16


Specifications subject to change without prior notice.


**GSM2500C-MV**

DC1500V Turnkey Solution ( Inverter+MV Transformer+RMU )



 Max. PV voltage up to 1500V  
Max. 24 DC inputs

 Max. DC/AC ratio up to 1.5  
Full power output under 50°C

 IP54 outdoor protection  
Modular design for  
Easy maintenance

 AGC/AVC  
Night SVG function  
LVRT/HVRT/FRT function

**Technical Specifications**


MODEL		GSM2500C-MV
<b>Input</b>		
Max. DC input voltage		1500Vdc
MPPT voltage range		800~1300Vdc
Number of DC input		20~24
Max. input current		3500A
<b>Output</b>		
Rated output power		2500kW
Max. output power		2750kW
AC output voltage		10~35kV
LV/MV voltage		0.55kV / 10~35kV
Grid frequency range		50 / 60Hz(±4.5Hz) (adjustable)
Power factor (cosΦ)		1 ( 0.9 leading - 0.9 lagging) (adjustable)
THDi		<3%
<b>System features</b>		
Inverter Max. efficiency		99%
Inverter Euro efficiency		98.7%
MPPT efficiency		>99%
Cooling type		Forced air cooling
Communication interface		RS485, External Ethernet (optional)
<b>Environment</b>		
Operating temperature range		-40 C ~ +60 C ( More than 50 C derating)
Humidity range		0 ~ 95% (non-condensing)
Altitude		2000m
Noise level		<65dB
Protection rating		IP54
<b>Protection devices</b>		
AC leakage current fault protection		Yes
LVRT		Yes
Ground fault protection		Yes
Anti-islanding protection		Yes
DC overvoltage protection		Yes
DC surge protection		Yes
AC surge protection		Yes
DC reverse-polarity protection		Yes
<b>Physical</b>		
Dimensions W x D x H (mm)		6058X2438X2896
Weight(t)		16


Specifications subject to change without prior notice.





**GSM5000C-MV**  
 DC1500V Turnkey Solution ( Inverter+MV Transformer+RMU )



 Max. PV voltage up to 1500V  
 Max. 48 DC inputs

 Max. DC/AC ratio up to 1.5  
 Full power output under 50°C

 IP54 outdoor protection  
 Modular design for  
 Easy maintenance

 AGC/AVC  
 Night SVG function  
 LVRT/HVRT/FRT function


**Technical Specifications**


MODEL	GSM5000C-MV
<b>Input</b>	
Max. DC input voltage	1500Vdc
MPPT voltage range	800~1300Vdc
Number of DC input	40~48
Max. input current	7000A
<b>Output</b>	
Rated output power	5000kW
Max. output power	5500kW
AC output voltage	10~35kV
LV/MV voltage	0.55kV / 10~35kV
Grid frequency range	50 / 60Hz(±4.5Hz) (adjustable)
Power factor (cosΦ)	1 ( 0.9 leading – 0.9 lagging) (adjustable)
THDi	<3%
<b>System features</b>	
Inverter Max. efficiency	99%
Inverter Euro efficiency	98.7%
MPPT efficiency	>99%
Cooling type	Forced air cooling
Communication interface	RS485, External Ethernet (optional)
<b>Environment</b>	
Operating temperature range	-40 C ~ +60 C ( More than 50 C derating)
Humidity range	0 ~ 95% (non-condensing)
Altitude	2000m
Noise level	<65dB
Protection rating	IP54
<b>Protection devices</b>	
AC leakage current fault protection	Yes
LVRT/HVRT	Yes
Ground fault protection	Yes
Anti-islanding protection	Yes
DC overvoltage protection	Yes
DC surge protection	Yes
AC surge protection	Yes
DC reverse-polarity protection	Yes
<b>Physical</b>	
Dimensions W x D x H (mm)	12192X2438X2896
Weight(t)	25


Specifications subject to change without prior notice.

**GSM6250C-MV / GSM6800C-MV**  
 DC1500V Turnkey Solution ( Inverter+MV Transformer+RMU )



 Max. PV voltage up to 1500V  
 Max. 56 DC inputs

 Max. efficiency up to 99%  
 Full power output under 50°C

 IP54 outdoor protection  
 Modular design for  
 Easy maintenance

 AGC/AVC  
 Night SVG function  
 LVRT/HVRT/FRT function

**Technical Specifications**

MODEL	GSM6250C-MV	GSM6800C-MV
<b>Input</b>		
Max. DC input voltage	1500Vdc	
MPPT voltage range	900~1300Vdc	
Number of MPPT	4	
Number of DC input	56	
Max. input current	8160A	
<b>Output</b>		
Rated output power	6250kW	6800kW
Max. output power	7200kW (25°C)	
AC output voltage	10~35kV	
LV/MV voltage	0.63kV / 10~35kV	
Grid frequency range	50 / 60Hz(±5Hz) (adjustable)	
Power factor (cosΦ)	1 (0.8 leading – 0.8 lagging) (adjustable)	
THDi	<3%	
<b>System features</b>		
Inverter Max. efficiency	99%	
Inverter Euro efficiency	98.7%	
MPPT efficiency	>99%	
Cooling type	Forced air cooling	
Communication interface	RS485, External Ethernet (Optional)	
MV transformer vector	Dy11y11	
MV transformer type	Oil/Dry	
MV switchgear protection	Circuit Breaker	
<b>Environment</b>		
Operating temperature	-40 C ~ +60 C (More than 50 C derating)	-40 C ~ +60 C (More than 45 C derating)
Humidity range	0 ~ 95% (non-condensing)	
Altitude	2000m	
Noise level	<65dB	
Protection rating	IP54	
<b>Protection devices</b>		
AC leakage current fault protection	Yes	
LVRT/HVRT	Yes	
Ground fault protection	Yes	
Anti-islanding protection	Yes	
DC overvoltage protection	Yes	
DC surge protection	Yes	
AC surge protection	Yes	
DC reverse-polarity protection	Yes	
<b>Physical</b>		
Dimensions W x D x H (mm)	12192X2438X2896	

Specifications subject to change without prior notice.

**GSC Series PV Array Combiner box**  
DC1000V / DC1500V



Positive & negative DC Fuse protection  
Alarms for PV array and blown fuse



IP65 protection  
Anti-feedback diode optional



Real-time monitoring to the status  
of Fuse, Breaker and SPD



RS485 and Modbus-RTU protocol  
String current and voltage monitoring

**Technical Specifications**

MODEL	GSC08-M	GSC12-M	GSC16-M	GSC08-DM	GSC12-DM	GSC16-DM
<b>Input</b>						
Max. PV string parallel inputs	8	12	16	8	12	16
Rated current for each string	15A					
Operating voltage range	200~1000Vdc					
System power	From PV array					
Diode spec	Without			55A/1600V		
Communication	RS485 / Modbus-RTU protocol , 9600bps					
Isolation resistance	>10MΩ					
<b>Physical</b>						
Dimensions W x D x H (mm)	720x200x514			720x240x640		
Weight(kg)	26	35		32	40	
<b>Environment</b>						
Operating temperature	-40 C ~ +65 C					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	3000m					
Protection rating	IP65					

**Technical Specifications**

MODEL	GSC08-MH	GSC12-MH	GSC16-MH	GSC08-DMH	GSC12-DMH	GSC16-DMH
<b>Input</b>						
Max. PV string parallel inputs	8	12	16	8	12	16
Rated current for each string	15A					
Operating voltage range	400~1500Vdc					
System power	From PV array					
Diode spec	Without			55A/2100V		
Communication	RS485 / Modbus-RTU protocol , 9600bps					
Isolation resistance	>10MΩ					
<b>Physical</b>						
Dimensions W x D x H (mm)	810x206x680			840x235x680		
Weight(kg)	35		40			45
<b>Environment</b>						
Operating temperature	-40 C ~ +65 C					
Humidity range	0 ~ 95% (non-condensing)					
Altitude	3000m					
Protection rating	IP65					

Ksolar Monitoring System

WiFi Plug / GPRS Plug  
Wireless Communication Module



Model

Quantity of Connected Inverter 1  
Inverter Communication Interface RS485  
Remote Communication Interface GPRS,Wifi ( 802.11b/g/n )  
Radio Operating Frequency 900/1800MHz(GPRS)2.4GHz(Wifi)  
Data Acquisition Interval Default 5 minutes/1-15 minutes optional  
Data Storage EEPROM  
Data Access Mode Remote server/Wifi point-to-point  
Operating Humidity 10~90%(Relative humidity,non-condensing)  
Operating Temperature -30℃ ~ +85℃  
Protection Rating IP65

GPRS PLUG/ WIFI PLUG

1  
RS485  
GPRS,Wifi ( 802.11b/g/n )  
900/1800MHz(GPRS)2.4GHz(Wifi)  
Default 5 minutes/1-15 minutes optional  
EEPROM  
Remote server/Wifi point-to-point  
10~90%(Relative humidity,non-condensing)  
-30℃ ~ +85℃  
IP65



PC Website / Mobile APP  
Monitoring System




- Remote access & communication
- Easy-to-use large-screen display
- High capacity server cloud backup
- Speedy and Stable
- Real-time online monitoring
- From anywhere at anytime





 Russian 500MW PV Plant



 Ukraine 240MW PV Plant




 Pakistan 900MW PV Plant




 Talesun Jiayuguan 1GW PV Plant



 Zhejiang 300MW Watersurface PV Plant




 SPIC Qinghai 100MW PV Plant



 CPI Golmud 200MW PV Plant



 GCL Datong 200MW PV Plant





Ukraine 200MW PV Plant



CGN Sichuang 50MW PV Plant



Jiangsu Tracking System PV Plant



Russian 300MW PV Plant



Tibet 4747m Altitude PV Plant




# KSTAR PV PROJECT REFERENCE

Commercial and Residential PV Plant



 Brazil PV Plant



 Hungary PV Plant




 Indian PV Plant



 Mexico PV Plant



 Turkey PV Plant



 Thailand PV Plant



 South Korea PV Plant



 APEC Beijing PV Plant