

UTILITY SYSTEM SOLUTION

KSTAR

HEADQUARTERS

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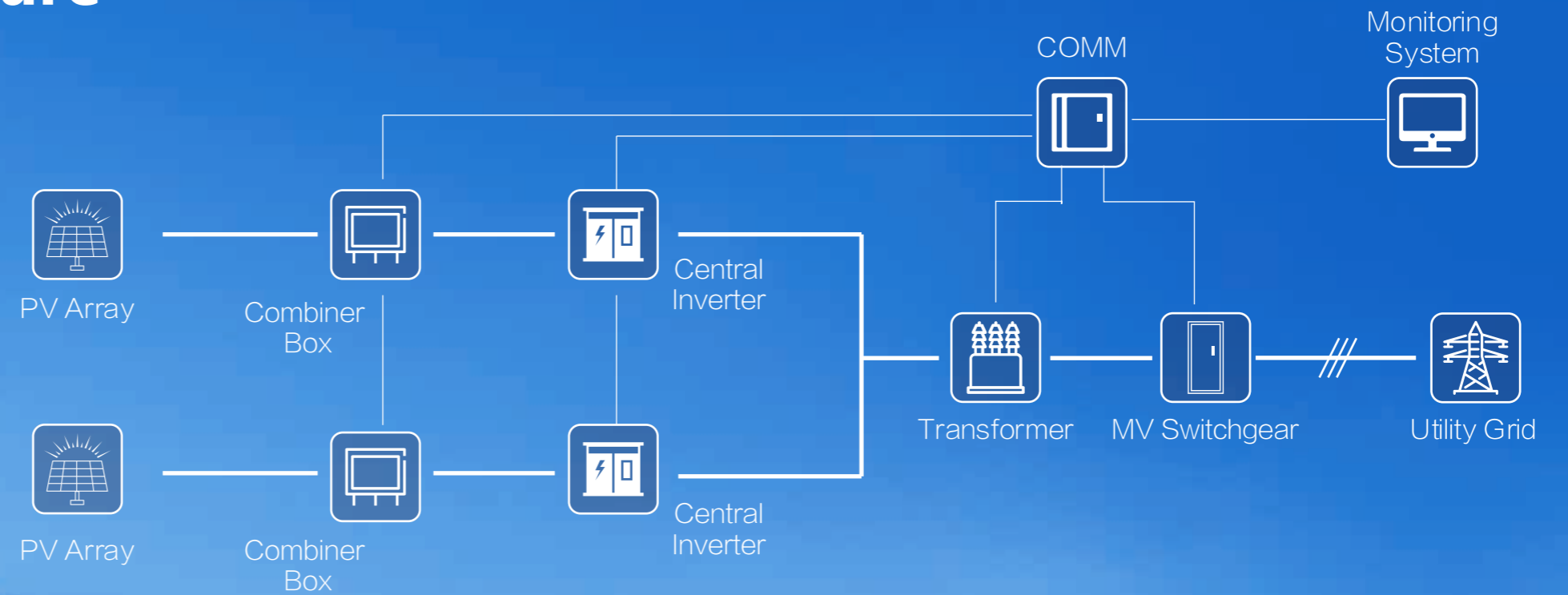
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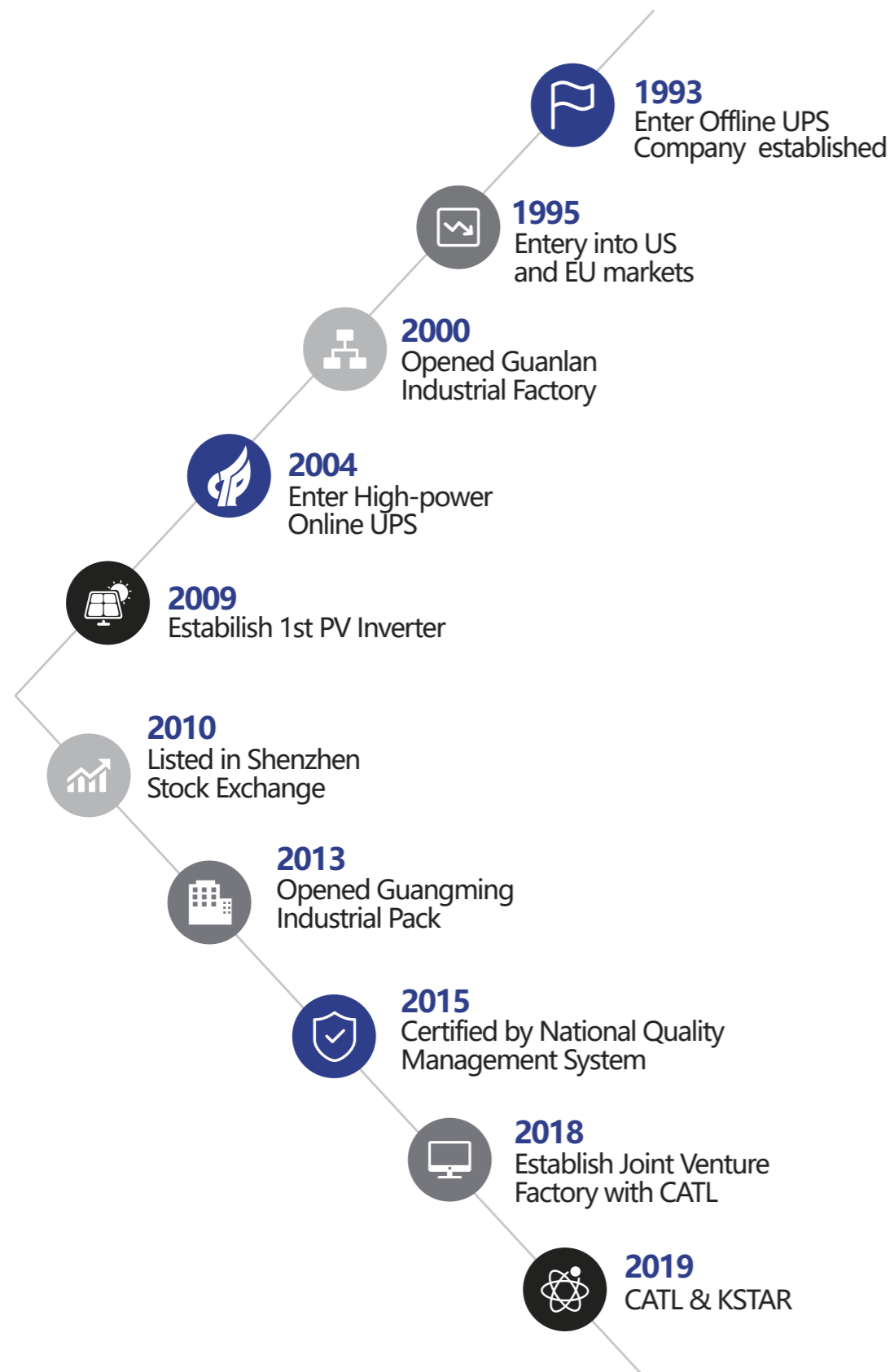
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Over 29 Years Of Experience Powering Green Future



About KSTAR



► TECHNOLOGY, INNOVATION AND THE HISTORICAL INDUSTRIAL EXPERIENCE OF KSTAR FROM TODAY AVAILABLE FOR EVERY HOME

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.

► Office and service center globally





GSM-MV Inverter Transformer Solution 2.5-6.25MW



All-in-one Solution



Plug & Play



Standard Shipping Container



Friendly to Grid



Low LCOE





Easy Maintenance



DC1500V Outdoor Inverter

 Max. PV voltage up to 1500V
DC/AC ratio up to 1.8

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

 Full power output under 55°C
IP55 outdoor protection

 Modular design for easy maintenance
Max. 24 DC inputs

Technical Specifications


MODEL	GSM2500D	GSM3125D
Input(DC)		
Max. DC Input Voltage	1500Vdc	1500Vdc
Min./Start Voltage	860V/940V(adjustable)	860V/940V(adjustable)
MPPT Voltage Range	875~1300V	875~1300V
No. of MPPT	2	2
No. of DC Input	Max. 24*400A (20*500A/630A optional)	Max. 24*400A (20*500A/630A optional)
Max. DC Input Current	3207A	4009A
Output(AC)		
Rated AC Output Power	2500kW@55°C	3125kW@50°C
Max. AC Output Power	2750kW@50°C	3438kW@45°C
Rated AC Voltage	600Vac, 3W+PE	600Vac, 3W+PE
AC Voltage Range	510Vac~660Vac	510Vac~660Vac
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Rated Output Current	2406A	3007A
Max. Output Current	2646A	3308A
Power Factor (cosΦ)	0.8leading~0.8lagging	0.8leading~0.8lagging
THDi	<3%	<3%
Efficiency		
Max. Efficiency	99.00%	99.00%
Euro Efficiency	98.70%	98.70%
Protection		
DC Input Protection	Load Break Switch + Fuse	
AC Output Protection	Circuit Breaker	
Surge Protection	DC Type II/AC Type II	
Anti-islanding Protection	Yes	
Insulation Monitoring	Yes	
Leakage Current Monitoring	Yes	
Overheat Protection	Yes	
DC Reverse Polarity Protection	Yes	
AC Short-circuit Protection	Yes	
Anti-PID Function	Optional	
General Specifications		
Dimensions (W x H x D) mm	2350*2400*1300	
Weight(kg)	3000	3500
IP Class	IP55	
Topology	Transformerless	
Operating Ambient Temperature Range	-40 ~ +60°C (> 55°C derating)	-40 ~ +60°C (> 50°C derating)
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	4000m (> 3000m derating)	
Cooling Method	Forced Air Cooling	
Power Consumption at Night	< 250W	
Communication	Modbus RS485	
Display	Touch Screen	


*Specifications subject to change without prior notice.



DC1500V Outdoor Inverter

 Max. PV voltage up to 1500V
DC/AC ratio up to 1.8

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

 Full power output under 55°C
IP55 outdoor protection

 Modular design for easy maintenance
Max. 48 DC inputs


Technical Specifications

MODEL	GSM5000D	GSM6250D
Input(DC)		
Max. DC Input Voltage	1500Vdc	1500Vdc
Min./Start Voltage	860V/940V(adjustable)	860V/940V(adjustable)
MPPT Voltage Range	875~1300V	875~1300V
No. of MPPT	4	4
No. of DC Input	Max. 48*400A (40*500A/630A optional)	Max. 48*400A (40*500A/630A optional)
Max. DC Input Current	6414A	8018A
Output(AC)		
Rated AC Output Power	5000kW@55°C	6250kW@50°C
Max. AC Output Power	5500kW@50°C	6876kW@45°C
Rated AC Voltage	600Vac, 3W+PE	600Vac, 3W+PE
AC Voltage Range	510A~660Vac	510A~660Vac
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Rated Output Current	4812A	6014A
Max. Output Current	5292A	6616A
Power Factor (cosΦ)	0.8leading~0.8lagging	0.8leading~0.8lagging
THDi	<3%	<3%
Efficiency		
Max. Efficiency	99.00%	99.00%
Euro Efficiency	98.70%	98.70%
Protection		
DC Input Protection	Load Break Switch + Fuse	
AC Output Protection	Circuit Breaker	
Surge Protection	DC Type II/AC Type II	
Anti-islanding Protection	Yes	
Insulation Monitoring	Yes	
Leakage Current Monitoring	Yes	
Overheat Protection	Yes	
DC Reverse Polarity Protection	Yes	
AC Short-circuit Protection	Yes	
Anti-PID Function	Optional	
General Specifications		
Dimensions (W x H x D) mm	4700*2400*1300	
Weight(kg)	6000	7000
IP Class	IP55	
Topology	Transformerless	
Operating Ambient Temperature Range	-40 ~ +60°C (> 55°C derating)	-40 ~ +60°C (> 50°C derating)
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	4000m (> 3000m derating)	
Cooling Method	Forced Air Cooling	
Power Consumption at Night	< 500W	
Communication	Modbus RS485	
Display	Touch Screen	


*Specifications subject to change without prior notice.



DC1500V Central Inverter

 Max. PV voltage up to 1500V
DC/AC ratio up to 1.5

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

 Full power output under 55°C
Dustproof protection

 Modular design for easy maintenance
Max. 12 DC inputs

Technical Specifications

MODEL	GSM1250	GSM1500
Input(DC)		
Max. DC Input Voltage	1500Vdc	1500Vdc
Min./Start Voltage	800V/870V(adjustable)	900V/940V(adjustable)
MPPT Voltage Range	800~1300V	900~1300V
No. of MPPT	1	1
No. of DC Input	Max. 12*250A (8*400A optional)	Max. 12*250A (8*400A optional)
Max. DC Input Current	1750A	1870A
Output(AC)		
Rated AC Output Power	1250kW@55°C	1500kW@50°C
Max. AC Output Power	1375kW@50°C	1500kW@50°C
Rated AC Voltage	550Vac, 3W+PE	600Vac, 3W+PE
AC Voltage Range	550Vac±15%	600Vac±15%
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Rated Output Current	1312A	1443A
Max. Output Current	1443A	1443A
Power Factor (cosΦ)	0.9leading~0.9lagging	0.9leading~0.9lagging
THDi	<3%	<3%
Efficiency		
Max. Efficiency	99.00%	99.00%
Euro Efficiency	98.70%	98.70%
Protection		
DC Input Protection	Circuit Breaker	
AC Output Protection	Circuit Breaker	
Surge Protection	DC Type II/AC Type II	
Anti-islanding Protection	Yes	
Insulation Monitoring	Yes	
Leakage Current Monitoring	Yes	
Overheat Protection	Yes	
DC Reverse Polarity Protection	Yes	
AC Short-circuit Protection	Yes	
Anti-PID Function	Optional	
General Specifications		
Dimensions (W x H x D) mm	1600*2100*750	
Weight(kg)	1600	
IP Class	IP21	
Topology	Transformerless	
Operating Ambient Temperature Range	-40 ~ +60°C (> 55°C derating)	-40 ~ +60°C (> 50°C derating)
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	4000m (> 3000m derating)	
Cooling Method	Forced Air Cooling	
Power Consumption at Night	< 50W	
Communication	Modbus RS485	
Display	Touch Screen	


*Specifications subject to change without prior notice.



DC1000V Central Inverter

 Max. PV voltage up to 1000V
DC/AC ratio up to 1.5

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

 Full power output under 55°C
Dustproof protection

 Modular design for easy maintenance
Max. 20 DC inputs


Technical Specifications

MODEL	GSL1000	GSL1250
Input(DC)		
Max. DC Input Voltage	1000Vdc	1000Vdc
Min./Start Voltage	580V/660V(adjustable)	580V/660V(adjustable)
MPPT Voltage Range	580~850V	580~850V
No. of MPPT	1	1
No. of DC Input	Max. 20*250A (12*400A optional)	Max. 20*250A (12*400A optional)
Max. DC Input Current	1935A	2200A
Output(AC)		
Rated AC Output Power	1000kW@55°C	1250kW@55°C
Max. AC Output Power	1100kW@50°C	1375kW@50°C
Rated AC Voltage	400Vac, 3W+PE	400Vac, 3W+PE
AC Voltage Range	400Vac±20%	400Vac±20%
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Rated Output Current	1444A	1804A
Max. Output Current	1588A	1985A
Power Factor (cosΦ)	0.9leading~0.9lagging	0.9leading~0.9lagging
THDi	<3%	<3%
Efficiency		
Max. Efficiency	99.00%	99.00%
Euro Efficiency	98.70%	98.70%
Protection		
DC Input Protection	Circuit Breaker	
AC Output Protection	Circuit Breaker	
Surge Protection	DC Type II/AC Type II	
Anti-islanding Protection	Yes	
Insulation Monitoring	Yes	
Leakage Current Monitoring	Yes	
Overheat Protection	Yes	
DC Reverse Polarity Protection	Yes	
AC Short-circuit Protection	Yes	
Anti-PID Function	Optional	
General Specifications		
Dimensions (W x H x D) mm	2100*2100*750	
Weight(kg)	1600	1700
IP Class	IP21	
Topology	Transformerless	
Operating Ambient Temperature Range	-40 ~ +60°C (> 55°C derating)	
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	4000m (> 3000m derating)	
Cooling Method	Forced Air Cooling	
Power Consumption at Night	< 50W	
Communication	Modbus RS485	
Display	Touch Screen	


*Specifications subject to change without prior notice.



DC 1500V Container Solution

 Max. PV voltage up to 1500V
DC/AC ratio up to 1.5

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

 Full power output under 50°C
IP54 outdoor protection

 Modular design for easy maintenance
Max. 28 DC inputs


Technical Specifications

MODEL	GSM3125C	GSM3400C	GSM2500C	GSM3000C
Input(DC)				
Max. DC Input Voltage	1500Vdc		1500Vdc	
Min./Start Voltage	920V/980V(adjustable)		800V/870V(adjustable)	900V/940V(adjustable)
MPPT Voltage Range	920~1300V		800~1300V	900~1300V
No. of MPPT	2		2	
No. of DC Input	Max. 28*250A (16*400A optional)		Max. 24*250A (16*400A optional)	
Max. DC Input Current	4080A		3500A	3740A
Output(AC)				
Rated AC Output Power	3125kW@50°C	3400kW@45°C	2500kW@50°C	3000kW@45°C
Max. AC Output Power	3600kW@25°C	3600kW@25°C	2750kW@45°C	3000kW@45°C
Rated AC Voltage	630Vac, 3W+PE		550Vac, 3W+PE	600Vac, 3W+PE
AC Voltage Range	504Vac~693Vac		550Vac±15%	600Vac±15%
Rated Grid Frequency	50/60Hz		50/60Hz	
AC Grid Frequency Range	45~55/55~65(adjustable)		45~55/55~65(adjustable)	
Rated Output Current	2864A	3116A	2624A	2886A
Max. Output Current	3299A		2886A	
Power Factor (cosΦ)	0.8leading~0.8lagging		0.9leading~0.9lagging	
THDi	<3%		<3%	
Efficiency				
Max. Efficiency	99.00%			
Euro Efficiency	98.70%			
Protection				
DC Input Protection	Circuit Breaker			
AC Output Protection	Circuit Breaker			
Surge Protection	DC Type II/AC Type II			
Anti-islanding Protection	Yes			
Insulation Monitoring	Yes			
Leakage Current Monitoring	Yes			
Overheat Protection	Yes			
DC Reverse Polarity Protection	Yes			
AC Short-circuit Protection	Yes			
Anti-PID Function	Optional			
General Specifications				
Dimensions (W x H x D) mm	2991*2591*2438			
Weight(kg)	5000			
IP Class	IP54			
Topology	Transformerless			
Operating Ambient Temperature Range	-40 ~ +60°C (> 50°C derating)	-40 ~ +60°C (> 45°C derating)	-40 ~ +60°C (> 50°C derating)	-40 ~ +60°C (> 45°C derating)
Operating Relative Humidity Range	0~100%			
Max. Operating Altitude	4000m (> 3000m derating)			
Cooling Method	Forced Air Cooling			
Power Consumption at Night	< 100W			
Communication	Modbus RS485			
Display	Touch Screen			


*Specifications subject to change without prior notice.



DC 1000V Container Solution

 Max. PV voltage up to 1000V
DC/AC ratio up to 1.5

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

 Full power output under 50°C
IP54 outdoor protection

 Modular design for easy maintenance
Max. 40 DC inputs


Technical Specifications

MODEL	GSL2000C	GSL2500C
Input(DC)		
Max. DC Input Voltage	1000Vdc	1000Vdc
Min./Start Voltage	580V/660V(adjustable)	580V/660V(adjustable)
MPPT Voltage Range	580~850V	580~850V
No. of MPPT	2	2
No. of DC Input	Max. 40*250A (24*400A optional)	Max. 40*250A (24*400A optional)
Max. DC Input Current	3870A	4400A
Output(AC)		
Rated AC Output Power	2000kW@50°C	2500kW@50°C
Max. AC Output Power	2200kW@45°C	2750kW@45°C
Rated AC Voltage	400Vac, 3W+PE	400Vac, 3W+PE
AC Voltage Range	400Vac±20%	400Vac±20%
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Rated Output Current	2888A	3608A
Max. Output Current	3176A	3970A
Power Factor (cosφ)	0.9leading~0.9lagging	0.9leading~0.9lagging
THDi	<3%	<3%
Efficiency		
Max. Efficiency	99.00%	99.00%
Euro Efficiency	98.70%	98.70%
Protection		
DC Input Protection	Circuit Breaker	
AC Output Protection	Circuit Breaker	
Surge Protection	DC Type II/AC Type II	
Anti-islanding Protection	Yes	
Insulation Monitoring	Yes	
Leakage Current Monitoring	Yes	
Overheat Protection	Yes	
DC Reverse Polarity Protection	Yes	
AC Short-circuit Protection	Yes	
Anti-PID Function	Optional	
General Specifications		
Dimensions (W x H x D) mm	2991*2591*2438	
Weight(kg)	5000	5200
IP Class	IP54	
Topology	Transformerless	
Operating Ambient Temperature Range	-40 ~ +60°C (> 50°C derating)	
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	4000m (> 3000m derating)	
Cooling Method	Forced Air Cooling	
Power Consumption at Night	< 100W	
Communication	Modbus RS485	
Display	Touch Screen	


*Specifications subject to change without prior notice.



DC 1500V Turnkey Solution

 Max. PV voltage up to 1500V
DC/AC ratio up to 1.8

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

 Max. 48 DC inputs
IP54 outdoor protection

 Modular design for easy maintenance
Full power output under 50°C

Technical Specifications


MODEL	GSM5000D-MV	GSM6250D-MV
Input(DC)		
Max. DC Input Voltage	1500Vdc	1500Vdc
Min./Start Voltage	860V/940V(adjustable)	860V/940V(adjustable)
MPPT Voltage Range	875~1300V	875~1300V
No. of MPPT	4	4
No. of DC Input	Max. 48*400A (40*500A/630A optional)	Max. 48*400A (40*500A/630A optional)
Max. DC Input Current	6414A	8018A
Output(AC)		
Rated AC Output Power	5000kW	6250kW
Max. AC Output Power	5500kW	6876kW
Inverter Max. Output Current	5292A	6616A
AC Output Voltage	10~35kV	10~35kV
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Power Factor (cosΦ)	0.8leading~0.8lagging	0.8leading~0.8lagging
THDi	<3%	<3%
Efficiency		
Inverter Max. Efficiency	99.00%	99.00%
Inverter Euro Efficiency	98.70%	98.70%
Transformer		
Transformer Rated Power	5000kVA	6250kVA
Transformer Max. Power	5500kVA	6876kVA
LV/MV Voltage	0.6kV-0.6kV/(10~35)kV	0.6kV-0.6kV/(10~35)kV
Vector Group	Dy11y11	Dy11y11
Cooling Type	ONAN	ONAN
Oil Type	Mineral Oil(PCB free)	Mineral Oil(PCB free)
Protection		
DC Input Protection	Load Break Switch + Fuse	
AC Output Protection	Circuit Breaker	
MV Output Protection	Circuit Breaker	
Surge Protection	DC Type II/AC Type II	
Anti-islanding Protection	Yes	
Insulation Monitoring	Yes	
Leakage Current Monitoring	Yes	
Overheat Protection	Yes	
DC Reverse Polarity Protection	Yes	
AC Short-circuit Protection	Yes	
Anti-PID Function	Optional	
General Specifications		
Dimensions (W x H x D)mm	12192*2896*2438	
Weight(t)	28	29
IP Class	Inverter IP55/Others IP54	
Auxiliary Power Supply	5kVA	
Operating Ambient Temperature Range	-40 ~ +60°C	
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	1000m (Standard)	
Cooling Method	Forced Air Cooling	
Communication	Standard: Modbus RS485, Optional: IEC104 Optical Fiber	
Display	Touch Screen	


*Specifications subject to change without prior notice.



DC 1500V Turnkey Solution

 Max. PV voltage up to 1500V
DC/AC ratio up to 1.5

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

 Full power output under 50°C
IP54 outdoor protection

 Modular design for easy maintenance
Max. 56 DC inputs

Technical Specifications

MODEL	GSM6250C-MV	GSM5000C-MV
Input(DC)		
Max. DC Input Voltage	1500Vdc	1500Vdc
Min./Start Voltage	920V/980V(adjustable)	800V/870V(adjustable)
MPPT Voltage Range	920~1300V	800~1300V
No. of MPPT	4	4
No. of DC Input	Max. 56*250A (32*400A optional)	Max. 48*250A (32*400A optional)
Max. DC Input Current	8160A	7000A
Output(AC)		
Rated AC Output Power	6250kW	5000kW
Max. AC Output Power	7200kW	5500kW
Inverter Max. Output Current	6598A	5772A
AC Output Voltage	10~35kV	10~35kV
Rated Grid Frequency	50/60Hz	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)	45~55/55~65(adjustable)
Power Factor (cosΦ)	0.8leading~0.8lagging	0.9leading~0.9lagging
THDi	<3%	<3%
Efficiency		
Inverter Max. Efficiency	99.00%	99.00%
Inverter Euro Efficiency	98.70%	98.70%
Transformer		
Transformer Rated Power	6250kVA	5000kVA
Transformer Max. Power	7200kVA	5500kVA
LV/MV Voltage	0.63kV-0.63kV/(10~35)kV	0.55kV-0.55kV/(10~35)kV
Vector Group	Dy11y11	Dy11y11
Cooling Type	ONAN	ONAN
Oil Type	Mineral Oil(PCB free)	Mineral Oil(PCB free)
Protection		
DC Input Protection		Circuit Breaker
AC Output Protection		Circuit Breaker
MV Output Protection		Circuit Breaker
Surge Protection		DC Type II/AC Type II
Anti-islanding Protection		Yes
Insulation Monitoring		Yes
Leakage Current Monitoring		Yes
Overheat Protection		Yes
DC Reverse Polarity Protection		Yes
AC Short-circuit Protection		Yes
Anti-PID Function		Optional
General Specifications		
Dimensions (W x H x D)mm	12192*2896*2438	
Weight(t)	29	28
IP Class	IP54	
Auxiliary Power Supply	5kVA	
Operating Ambient Temperature Range	-40 ~ +60°C	
Operating Relative Humidity Range	0~100%	
Max. Operating Altitude	1000m (Standard)	
Cooling Method	Forced Air Cooling	
Communication	Standard: Modbus RS485, Optional: IEC104 Optical Fiber	
Display	Touch Screen	

*Specifications subject to change without prior notice.



DC 1500V Turnkey Solution



Max. PV voltage up to 1500V
DC/AC ratio up to 1.5



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



Full power output under 50°C
IP54 outdoor protection



Modular design for easy maintenance
Max. 24 DC inputs


Technical Specifications

MODEL	GSM2500C-MV
Input(DC)	
Max. DC Input Voltage	1500Vdc
Min./Start Voltage	800V/870V(adjustable)
MPPT Voltage Range	800~1300V
No. of MPPT	2
No. of DC Input	Max. 24*250A (16*400A optional)
Max. DC Input Current	3500A
Output(AC)	
Rated AC Output Power	2500kW
Max. AC Output Power	2750kW
Inverter Max. Output Current	2886A
AC Output Voltage	10~35kV
Rated Grid Frequency	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)
Power Factor (cosΦ)	0.9leading~0.9lagging
THDi	<3%
Efficiency	
Inverter Max. Efficiency	99.00%
Inverter Euro Efficiency	98.70%
Transformer	
Transformer Rated Power	2500kVA
Transformer Max. Power	2750kVA
LV/MV Voltage	0.55kV/(10~35)kV
Vector Group	Dy11
Cooling Type	Forced Air Cooling
Oil Type	Oil/Dry
Protection	
DC Input Protection	Circuit Breaker
AC Output Protection	Circuit Breaker
MV Output Protection	Circuit Breaker
Surge Protection	DC Type II/AC Type II
Anti-islanding Protection	Yes
Insulation Monitoring	Yes
Leakage Current Monitoring	Yes
Overheat Protection	Yes
DC Reverse Polarity Protection	Yes
AC Short-circuit Protection	Yes
Anti-PID Function	Optional
General Specifications	
Dimensions (W x H x D)mm	6058*2896*2438
Weight(t)	16
IP Class	IP54
Auxiliary Power Supply	5kVA
Operating Ambient Temperature Range	-40 ~ +60°C
Operating Relative Humidity Range	0~100%
Max. Operating Altitude	1000m (Standard)
Cooling Method	Forced Air Cooling
Communication	Standard: Modbus RS485 Optional: IEC104 Optical Fiber
Display	Touch Screen


*Specifications subject to change without prior notice.



DC 1000V Turnkey Solution

 Max. PV voltage up to 1000V
DC/AC ratio up to 1.5

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

 Full power output under 50°C
IP54 outdoor protection

 Modular design for easy maintenance
Max. 40 DC inputs

Technical Specifications

MODEL	GSL2500C-MV
Input(DC)	
Max. DC Input Voltage	1000Vdc
Min./Start Voltage	580V/660V(adjustable)
MPPT Voltage Range	580~850V
No. of MPPT	2
No. of DC Input	Max. 40*250A (24*400A optional)
Max. DC Input Current	4400A
Output(AC)	
Rated AC Output Power	2500kW
Max. AC Output Power	2750kW
Inverter Max. Output Current	3970A
AC Output Voltage	10~35kV
Rated Grid Frequency	50/60Hz
AC Grid Frequency Range	45~55/55~65(adjustable)
Power Factor (cosΦ)	0.9leading~0.9lagging
THDi	<3%
Efficiency	
Inverter Max. Efficiency	99.00%
Inverter Euro Efficiency	98.70%
Transformer	
Transformer Rated Power	2500kVA
Transformer Max. Power	2750kVA
LV/MV Voltage	0.4kV/(10~35)kV
Vector Group	Dy11
Cooling Type	Forced Air Cooling
Oil Type	Oil/Dry
Protection	
DC Input Protection	Circuit Breaker
AC Output Protection	Circuit Breaker
MV Output Protection	Circuit Breaker
Surge Protection	DC Type II/AC Type II
Anti-islanding Protection	Yes
Insulation Monitoring	Yes
Leakage Current Monitoring	Yes
Overheat Protection	Yes
DC Reverse Polarity Protection	Yes
AC Short-circuit Protection	Yes
Anti-PID Function	Optional
General Specifications	
Dimensions (W x H x D)mm	6058*2896*2438
Weight(t)	16
IP Class	IP54
Auxiliary Power Supply	5kVA
Operating Ambient Temperature Range	-40 ~ +60°C
Operating Relative Humidity Range	0~100%
Max. Operating Altitude	1000m (Standard)
Cooling Method	Forced Air Cooling
Communication	Standard: Modbus RS485 Optional: IEC104 Optical Fiber
Display	Touch Screen

*Specifications subject to change without prior notice.

KSTAR PV Project Cases

Large-scale Utility PV Plant

 Russian 500MW PV Plant





📍 Ukraine 240MW PV Plant



📍 Tibet 4747m Altitude PV Plant



📍 Pakistan 900MW PV Plant



📍 Zhejiang 300MW Watersurface PV Plant



📍 Ukraine 15MW PV Plant



📍 Russian 300MW PV Plant



📍 Ukraine 200MW PV Plant



📍 Spain 10MW PV Plant