



# 5G SERIES

SM-6K-5G3P+ | SM-8K-5G3P+  
SM-10K-5G3P+ | SM-12K-5G3P+  
SM-15K-5G3P+



## GRID-TIED

SOLAR STRING INVERTERS  
3 PHASE & DUAL MPPT

Die-Cast Aluminum Enclosure  
With Higher Heat Dissipation Reliability



Smart



Efficient



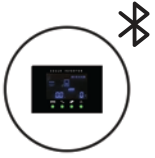
Reliable



Safe

# 3 Phase On-Grid/ Grid-Tied String Inverter

## FEATURES



LCD & Bluetooth



User-friendly



Intelligent Cooling,  
IP65 Protection



MPPT Efficiency > 99%



Smart & Compact  
Design



Support Export Limit  
Function  
Output Power Range From 0~100%



High Reliability



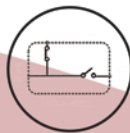
High Power Factor



Higher Yields



High Surge Endurance



Support VSG Function,  
Applicable For Poor Grid Area



Wide PV Input Voltage  
Range



Wide AC Grid Voltage  
Range



Internal SPD's Protection



Interface  
RS485/RS232



Multiple Units Can Be  
Used in Parallel



Smart Monitoring  
& Control



6 Year Warranty  
Extended Warranty Available

Model	SM-6K-5G3P+	SM-8K-5G3P+	SM-10K-5G3P+	SM-12K-5G3P+	SM-15K-5G3P+
<b>Efficiency</b>					
Max. Efficiency	98.2%	98.2%	98.4%	98.4%	98.4%
European Efficiency	97.8%	97.8%	98.0%	98.0%	98.0%
MPPT Efficiency	>99%				
<b>Input(PV)</b>					
Max. Input Power (KW)	7.8	10.4	13	15.6	19.5
Max. Input Voltage	1000V				
Rated Input Voltage	620V				
Max. Input Current	26A (2*13A)			39A (26A+13A)	
Max.Short Circuit Current	30A(2*15A)			45A(2*15A+15A)	
Start Input Voltage/ Min. Operating Voltage	200V/160V				
MPPT Operating Voltage Range	160V-950V				
MPPT Operating Voltage Range (Full-Load)	300V-800V	380V-800V	470V-800V	380V-800V	470V-800V
Max. Number of PV Strings	2(1/1)			3(2/1)	
No. of MPPTs	2				
<b>Output(Grid)</b>					
Rated AC Active Power	6,000W	8,000W	10,000W	12,000W	15,000W
Max. AC Apparent Power	6,600VA	8,800VA	11,000VA	13,200VA	16,500VA
Max. AC Active Power (PF=1)	6,600W	8,800W	11,000W	13,200W	16,500W
Max. AC Output Current	3*10A	3*13A	3*16A	3*18.2A	3*22.7A
Rated AC Voltage	380V/400V,3W+N+PE				
AC Voltage Range*	277V-520V(Adjustable)				
Rated Grid Frequency	50Hz/60Hz				
Grid Frequency Range**	45Hz-55Hz/55Hz-65Hz(Adjustable)				
THDI	<3%(Rated Power)				
DC Current Injection	<0.5%In				
Power Factor	> 0.99 Rated power(Adjustable 0.8 Leading - 0.8Lagging)				
<b>Protection</b>					
DC switch	Support				
Anti-islanding protection	Support				
AC overcurrent protection	Support				
AC short circuit protection	Support				
DC reverse connection	Support				
Surge Arrester	AC Type III				
Insulation detection	Support				
Leakage current protection	Support				
<b>General</b>					
Topology	Transformerless				
IP Rating	IP65				
Night Self Consumption	<1W				
Cooling	Natural cooling				
Operating Temperature Range	-25°-60°				
Relative Humidity Range	0-100%				
Max. Operating Altitude	4000m				
Noise	<30dB				
Dimensions (W*H*D)	400*500*190mm				
Weight	18.9KG			21.8KG	
<b>HMI &amp; COM</b>					
Display	Bluetooth , APP, LED & LCD				
Communication	WiFi, RS485, GPRS(Optional)				
<b>Certification</b>					
Safety	IEC62109-1, IEC62109-2				
Others	IEC 60068, IEC 61683				
Grid Code	VDE-AR-N 4105, IEC61727, IEC62116, EN 50549, IEEE 1547, AS 4777				
<b>Warranty</b>	6 Years/10 Years(Optional)				

**Remarks:** The range of output voltage and frequency may vary depending upon different grid codes. Specifications are subject to change without advance notice.