



5G SERIES

SM-25K-5G3P | SM-28K-5G3P
SM-30K-5G3P



GRID-TIED

SOLAR STRING INVERTERS
3 PHASE & DUAL MPPT



Smart



Efficient

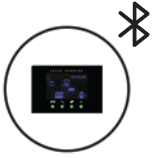


Reliable



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



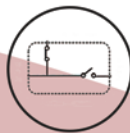
High Power Factor



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-25K-5G3P	SM-28K-5G3P	SM-30K-5G3P
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	98.3%	98.3%	98.3%
MPPT Efficiency	>99%		
Input(PV)			
Max. Input Power (KW)	32.5	36.4	39
Max. Input Voltage	1000V		
Rated Input Voltage	620V		
Max. Input Current	75A (2*37.5A)		
Max.Short Circuit Current	84A(2*42A)		
Start Input Voltage/ Min. Operating Voltage	250V/180V		
MPPT Operating Voltage Range	180V-960V		
MPPT Operating Voltage Range (Full-Load)	480V-800V		
Max. Number of PV Strings	6(3/3)		
No. of MPPTs	2		
Output(Grid)			
Rated AC Active Power	25,000W	28,000W	30,000W
Max. AC Apparent Power	27,500VA	30,800VA	33,000VA
Max. AC Active Power (PF=1)	27,500VA	30,800W	33,000W
Max. AC Output Current	3*40A	3*45A	3*48A
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)		
Protection			
DC switch	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type II/AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W		
Cooling	Fan cooling		
Operating Temperature Range	-25°-60°		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Noise	<50dB		
Dimensions (W*H*D)	555*446*270mm		
Weight	40KG		
HMI & COM			
Display	Bluetooth , APP, LED & LCD		
Communication	WiFi, RS485, GPRS(Optional)		
Certification			
Safety	IEC62109-1, IEC62109-2		
Others	IEC 60068, IEC 61683		
Grid Code	VDE-AR-N 4105, IEC61727, IEC62116, EN 50549		
Warranty	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.