

Microinverter

SUN-M65/80/100G5-US-Q1



- 30** Max. DC input current of 30A, adapt to 700W PV module
-  1 MPP tracker, module level monitoring
-  Rapid shutdown function



IP67 protection degree, 10 years warranty



WIFI communication



Stock Code: 605117.SH

Model	SUN-M65G5-US-Q1		SUN-M80G5-US-Q1	SUN-M100G5-US-Q1
PV String Input Data				
Max. PV Input Power (W)	210-420(2 Pieces)	210-560(2 Pieces)	210-700(2 Pieces)	
Max. PV Input Voltage (V)	60			
Start-up Voltage (V)	15			
MPPT Voltage Range (V)	25-55			
Rated PV Input Voltage (V)	42.5			
Max. Operating PV Input Current (A)	30			
Max. Input Short Circuit Current (A)	45			
No. of MPP Trackers/ No. of Strings per MPP Tracker	1/2			
AC Output Side				
Rated AC Output Active Power (W)	650	800	1000	
Max. AC Output Apparent Power (VA)	800	880	1100	
Rated AC Output Current (A)	3.2/2.8	3.9/3.4	4.9/4.2	
Max. AC Output Current (A)	3.9/3.4	4.3/3.7	5.3/4.6	
Rated Output Voltage/Range (V)	208/240 0.85Un-1.1Un			
Grid Connection Form	L1/L2/PE			
Rated Output Grid Frequency/Range(Hz)	60/55-65			
Max. Unit per Branch	6	6	5	
Power Factor Adjustment Range	0.8 leading-0.8 lagging			
Total Current Harmonic Distortion THDi	<5%			
DC Injection Current	<0.5%In			
Efficiency				
Max. Efficiency	96.5%			
Euro Efficiency	96.0%			
MPPT Efficiency	>99%			
Equipment Protection				
DC Reverse Polarity Protection	Yes			
AC Output Overcurrent Protection	Yes			
AC Output Overvoltage Protection	Yes			
AC Output Short Circuit Protection	Yes			
Thermal Protection	Yes			
Insulation Impedance Detection	Yes			
Anti-islanding Protection	Yes			
Surge Protection Level	TYPE II(AC)			
Interface				
Communication Interface	WiFi			
General Data				
Operating Temperature Range (°C)	-40 to +65°C, >45°C Derating			
Permissible Ambient Humidity	0-100%			
Permissible Altitude (m)	2000m			
Noise (dB)	≤25			
Ingress Protection(IP) Rating	IP 67 type6p			
Inverter Topology	Isolated			
Over Voltage Category	OVC II(DC), OVC IV(AC)			
Cabinet Size (WxHxD mm)	217.3×175.5×32.4 (Excluding Connectors and Brackets)			
Weight (kg)	2.7			
Warranty	10 Years			
Type of Cooling	Natural Cooling			
Grid Regulation	IEEE 1547/SRD 2.0/CSA G 22.2			
Safety EMC/Standard	UL1741/FCC			