

Microinverter

SUN-M60/80/100G5-AU-Q1



IP67 protection degree, 10 years warranty



WIFI communication

30

Max. DC input current of 30A, adapt to 700W PV module



1 MPP tracker, module level monitoring



Rapid shutdown function

Deye

Stock Code: 605117.SH

Model	SUN-M60G5-AU-Q1	SUN-M80G5-AU-Q1	SUN-M100G5-AU-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)	600	800	1000
Max. AC Output Apparent Power (VA)	600	800	1000
Rated AC Output Current (A)	2.7	3.5	4.4
Max. AC Output Current (A)	2.7	3.5	4.4
Rated Output Voltage/Range (V)	230V/240V 0.85Un-1.1Un		
Grid Connection Form	L+N+PE		
Rated Output Grid Frequency/Range(Hz)	50/45-55		
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 Polarity Reverse Connection Protection	Yes		
AC Output Overcurrent Protection	Yes		
AC Output Overvoltage Protection	Yes		
AC Output Short Circuit Protection	Yes		
Thermal Protection	Yes		
DC Terminal Insulation Impedance Monitoring	Yes		
Power Network Monitoring	Yes		
Island Protection Monitoring	Yes		
Earth Fault Detection	Yes		
Overvoltage Load Drop Protection	Yes		
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		
Inverter Topology	HF Transformer		
Over Voltage Category	OVC II(DC), OVC IV(AC)		
Communication	WiFi		
Cabinet Size (WxHxD mm)	217.3×175.5×32.4 (Excluding Connectors and Brackets)		
Weight (kg)	2.7		
Warranty	Standard 10/15 years, extended warranty		
Type of Cooling	Natural Cooling		
Grid Regulation	AS/NZS 4777.2		
Safety EMC/Standard	IEC 62920, IEC 61000-6-1/2/3/4, IEC 62109-1, IEC 62109-2		