

Microinverter

SUN-M50/60/80/90G4-AU-230-Q0



- ✓ 2 MPP tracker, module level monitoring
- ✓ IP67 protection degree
- ✓ WIFI communication
- ✓ Rapid shutdown function
- ✓ Easy installation, suitable for quick-plug balcony PV system
- ✓ <100ms AC fast discharge, compliant with new required standard DIN VDE 0620-1 (<200ms) to protect human safety
- ✓ Complete NS protection with self-check function
- ✓ External relay advantage with low temperature, long life, easier maintenance
- ✓ 25 years design lifetime and 15 years warranty
- ✓ With integrate WIFI

Deye

Stock Code: 605117.SH

Model	SUN-M50G4-AU-230-Q0	SUN-M60G4-AU-230-Q0	SUN-M80G4-AU-230-Q0	SUN-M90G4-AU-230-Q0
PV String Input Data				
Max. PV Input Power (W)	210-350(2 Pieces)	210-420(2 Pieces)	210-560(2 Pieces)	210-630(2 Pieces)
Max. PV Input Voltage (V)	60			
Start-up Voltage (V)	20			
MPPT Voltage Range (V)	25-55			
Rated PV Input Voltage (V)	42.5			
Max. Operating PV Input Current (A)	13+13			
Max. Input Short Circuit Current (A)	19.5+19.5			
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/1			
AC Output Data				
Rated AC Output Active Power(W)	500	600	800	900
Max.AC Output Apparent Power(VA)	500	600	800	900
Rated AC Output current (A)	2.2	2.7	3.5	4.0
Max.AC Output Current(A)	2.2	2.7	3.5	4.0
Rated Output voltage/range (V)	230/240 0.85Un-1.1Un			
Grid Connection Form	L/N/PE			
Rated Output Grid Frequency/range(Hz)	50/45-55			
Max. unit per branch	10	8	6	6
Power Factor Adjustment Range	0.95 leading to 0.95 lagging			
Total Current Harmonic Distortion THDi	<3%			
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			
Interface				
Communication Interface	WiFi			
General Data				
Operating Temperature Range (°C)	-25 to +65°C, >45°C Derating			
Permissible Ambient Humidity	0-100%			
Permissible Altitude (m)	2000m			
Noise (dB)	≤25 dB			
Ingress Protection(IP) Rating	IP 67			
Inverter Topology	Isolated			
Over Voltage Category	OVC II(DC), OVC III(AC)			
Cabinet Size (WxHxD mm)	280.5×190×40 (Excluding Connectors and Brackets)			
Weight (kg)	1.9			
Warranty	10Years			
Type of Cooling	Natural Cooling			
Grid Regulation	EN50549, AS4777.2:2015, VDE0126-1-1, IEC61727, VDEN4105-2018, G99			
Safety EMC/Standard	IEC62109-1/-2, NBT32004-2018, EN61000-6-1,EN61000-6-2,EN61000-6-3,EN61000-6-4			