

Microinverter

SUN-M30/40G4-AU-230-Q0



- ✓ 1 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-M30G4-AU-230-Q0	SUN-M40G4-AU-230-Q0
PV String Input Data		
Max. PV Input Power (W)	210-420(1 Pieces)	210-560(1 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	
Max. Input Short Circuit Current (A)	19.5	
No. of MPP Trackers/ No. of Strings per MPP Tracker	1/1	
AC Output Data		
Rated AC Output Active Power(W)	300	400
Max.AC Output Apparent Power(VA)	300	400
Rated AC Output current (A)	1.3	1.8
Max.AC Output Current(A)	1.3	1.8
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, 60/55-65	
Max. unit per branch	17	13
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)	144.1×143.1×43 (Excluding Connectors and Brackets)	
Weight (kg)	1.2	
Warranty	10 Years	
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	