

Microinverter

SUN-M30/40/50G4-EU-Q0-I



- ✓ 1 MPP tracker, module level monitoring
- ✓ IP67 protection degree
- ✓ Wi-Fi communication
- ✓ Rapid shutdown function
- ✓ Easy installation, suitable for quick-plug balcony PV system
- ✓ <100ms AC fast discharge, compliant with new required standard DIN VDE V 0126-95 (<200ms) to protect human safety
- ✓ Complete NS protection with self-check function
- ✓ 25 years design lifetime and 10 years warranty
- ✓ With integrate Wi-Fi

Deye

Stock Code: 605117.SH

Model	SUN-M30G4-EU-Q0-I		SUN-M40G4-EU-Q0-I	SUN-M50G4-EU-Q0-I
PV String Input Data				
Max. PV Input Power (W)	210-420(1 Piece)		210-560(1 Piece)	210-700(1 Piece)
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)	15			
Max. Input Short Circuit Current (A)	22.5			
No. of MPP Trackers/ No. of Strings MPP Tracker	1/1			
AC Output Side				
Rated AC Output Active Power (W)	300	400	500	
Max. AC Output Apparent Power (VA)	300	400	500	
Rated AC Output Current (A)	1.4/1.4	1.9/1.8	2.3/2.2	
Max. AC Output Current (A)	1.4/1.4	1.9/1.8	2.3/2.2	
Rated Output Voltage/Range (V)	220/230 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	10	
Power Factor Adjustment Range	0.9 leading-0.9 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 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°C~65°C			
Permissible Ambient Humidity	0-100%			
Permissible Altitude (m)	2000m			
Noise (dB)	≤25			
Ingress Protection(IP) Rating	IP 67			
Inverter Topology	Isolated			
Over Voltage Category	OVC II(DC), OVC III(AC)			
Cabinet Size (WxHxD mm)	173×158.5×31.5 (Excluding connectors and brackets)			
Weight (kg)	1.85			
Warranty	10 years			
Type of Cooling	Natural Cooling			
Grid Regulation	IEC 61727,IEC 62116,CEI 0-21,EN 50549 , NRS 097,RD 140,UNE 217002,OVE-Richtlinie R25, G98,VDE-AR-N 4105			
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			