

Microinverter

SUN-D60/80/100/110G4-EU-Q0



- ✓ 1 MPP tracker, module level monitoring
- ✓ IP67 protection degree
- ✓ Wi-Fi communication and lora 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 15 years warranty
- ✓ With integrate Wi-Fi
- ✓ Anti backflow function

Deye

Stock Code: 605117.SH

Model	SUN-D60G4-EU-Q0		SUN-D80G4-EU-Q0	SUN-D100G4-EU-Q0	SUN-D110G4-EU-Q0
PV String Input Data					
Max. PV Input Power (W)	210-420(2 Pieces)		210-560(2 Pieces)	210-700(2 Pieces)	210-770(2 Pieces)
Max. PV Input Voltage (V)	120				
Start-up Voltage (V)	20				
MPPT Voltage Range (V)	45-100				
Rated PV Input Voltage (V)	85				
Max. Operating PV Input Current (A)	18				
Max. Input Short Circuit Current (A)	27				
No. of MPP Trackers/ No. of Strings MPP Tracker	1/1				
AC Output Side					
Rated AC Output Active Power (W)	600	800	1000	1100	
Max. AC Output Apparent Power (VA)	600	800	1000	1100	
Rated AC Output Current (A)	2.8/2.7	3.7/3.5	4.6/4.4	5/4.8	
Max. AC Output Current (A)	2.8/2.7	3.7/3.5	4.6/4.4	5/4.8	
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				
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	Wi-Fi				
General Data					
Operating Temperature Range (°C)	-40 to ~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)	212×190×40 (Excluding Connectors and Brackets)				
Weight (kg)	2.7				
Warranty	Standard 10/15 years, extended warranty				
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				