Microinverter

SUN-M130/160/180/200/220G4-EU-Q0



- Max. DC input current of 18A, adapt to 770W PV module
- IP67 protection degree, 10 years warranty
- 4 MPP trackers, module level monitoring
- Wi-Fi communication
- Rapid shutdown function

Technical Data

Model	SUN-M130G4 -EU-Q0	SUN-M160G4 -EU-Q0	SUN-M180G4 -EU-Q0	SUN-M200G4 -EU-Q0	SUN-M220G4 -EU-Q0
PV String Input Data					
Max. PV Input Power (W)	210-460 (4 Pieces)	210-560 (4 Pieces)	210-630 (4 Pieces)	210-700 (4 Pieces)	210-770 (4 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)	15+15+15+15				18+18+18+18
Max. Input Short Circuit Current (A)	22.5+22.5+22.5+22.5				27+27+27+27
No. of MPP Trackers/ No. of Strings MPP Tracker	4/1				
AC Output Side					
Rated AC Output Active Power (W)	1300	1600	1800	2000	2200
Max. AC Output Apparent Power (VA)	1300	1600	1800	2000	2200
Rated AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	10/9.6
Max. AC Output Current (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7	10/9.6
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	5	4	3	3	3
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)				
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	Isolated				
Over Voltage Category	OVC II(DC), OVC III(AC)				
Communication	Wi-Fi				
Cabinet Size (WxHxD mm) (Excluding Connectors and Brackets)	311×250.5×36.5				358×255.5×36.5
Weight (kg)	5.1				5.2
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, G98, G99, VDE-AR-N 4105				
Safety EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				