

Microinverter

SUN-M130/160/180/200/220/225G5-AU-Q1



IP67 protection degree, 10 years warranty



WIFI communication

36

Max. DC input current of 36A,
adapt to 790W PV module



2 MPP tracker, module level monitoring



Rapid shutdown function

Deye

Stock Code: 605117.SH

Model	SUN-M130G5 -AU-Q1	SUN-M160G5 -AU-Q1	SUN-M180G5 -AU-Q1	SUN-M200G5 -AU-Q1	SUN-M220G5 -AU-Q1	SUN-M225G5 -AU-Q1
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)	210-790 (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)	36+36					
Max. Input Short Circuit Current (A)	54+54					
No. of MPP Trackers/ No. of Strings per MPP Tracker	2/2+2					
AC Output Side						
Rated AC Output Active Power (W)	1300	1600	1800	2000	2200	2250
Max. AC Output Apparent Power (VA)	1300	1600	1800	2000	2200	2250
Rated AC Output Current (A)	5.7	7	7.9	8.7	9.6	9.8
Max. AC Output Current (A)	5.7	7	7.9	8.7	9.6	9.8
Rated Output Voltage/Range (V)	230V/240V 0.85Un-1.1Un					
Grid Connection Form	L/N/PE					
Rated Output Grid Frequency/Range(Hz)	50/45-55					
Max. Unit per Branch	5	4	3	3	3	3
Power Factor Adjustment Range	0.8 leading-0.8 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					
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	HF Transformer					
Communication Interface	WiFi					
Over Voltage Category	OVC II(DC), OVC III(AC)					
Cabinet Size (WxHxD mm)	367.2×228.7×36 (Excluding Connectors and Brackets)					
Weight (kg)	5.7					
Warranty	Standard 10/15 years, Extended warranty					
Type of Cooling	Natural Cooling					
Grid Regulation	AS/NZS 4777.2					
Safety EMC/Standard	IEC 62920, IEC 61000-6-1/2/3/4, IEC 62109-1, IEC 62109-2					