

Solar Control Gateway

SCG-G1



STRONG COMMUNICATION

Up to 400m Distance and 199 Panels
Connecting for Residential&Commercial



SMART

Smart Monitoring and Easy to
install on site



SIMPLE & RELIABLE

Signal Encrypted design and
Safety Protection

Technical Specifications

SCG-G1

Model	SCG-G1 (Wi-Fi Version)	SCG-G1 (4G Version)
Microinverter Compatibility		
Microinverter model	VM series	
Communication to Microinverter		
Signal	Sub-1G	
Maximum distance (open space)	400m(Penetrating 3 Floors ¹)	
Monitoring data limit from solar panels	199	
Communication to Vaysunic Cloud		
Ethernet	RJ45 × 1, 100Mbps	
Wireless	Wi-Fi: 802.11b/g/n	4G: TDD-LTE, FDD-LTE 3G: SCDMA 2G: GSM/GPRS
Sample rate	Per 15 minutes	
Electrical (Adapter)		
AC Input voltage/frequency	100 to 240 V AC , 50 Hz/ 60 Hz	
DC output voltage/current	5 V/2 A	
Power consumption	Typical 1.5 W , Max. 3.0 W	
Mechanical Data		
Ambient temperature (°C)	-20°C to +55°C (-4°F to +131°F)	
Dimensions (W × H × D mm)	185mm × 99mm × 29mm (7.3" x 3.9"x 1.1") (without antennas)	
Weight (kg)	0.18kg (0.39lbs)	
Installation method	Wall mounting / Desktop mounting	
Environmental rating	Indoor-NEMA 1 (IP20)	
Warranty	3 Years Standard	
Packing Configuration		
Container	40'HQ / 20'HQ	
Pieces/Pallet	480 / 480	
Pallets per Container	48 / 24	
Pieces per Container	23040 / 11520	
Interaction		
LED	LED Indicator × 4 – RUN, Cloud, MI, ALM	
USB	USB2.0 × 1	
APP	VaySunic Cloud	
Compliance		
Certificates	CE, FCC, IC, RCM, Anatel	

*1 3.5 meters concrete floor