

# 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)
<b>Microinverter Compatibility</b>		
Microinverter model	VM Series / VS Series	
<b>Communication to Microinverter</b>		
Signal	Sub-1G	
Maximum distance (open space)	400m	
Monitoring data limit from solar panels	199 <sup>1</sup>	
<b>Communication to Vaysunic Cloud</b>		
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	
<b>Electrical (Adapter)</b>		
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	
<b>Mechanical Data</b>		
Ambient temperature (°C)	-20°C to +55°C (-4°F to +131°F)	
Dimensions (W × H × D mm)	185mm × 99mm × 29mm (7.3" × 3.9" × 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	
<b>Packing Configuration</b>		
Container	20'GP / 40'HQ	
Pieces/Pallet	480 / 480	
Pallets per Container	20 / 48	
Pieces per Container	9600 / 23040	
<b>Interaction</b>		
LED	LED Indicator × 4 – RUN, Cloud, MI, ALM	
USB	USB2.0 × 1	
APP	VaySunic Cloud	
<b>Compliance</b>		
Certificates	CE, FCC, IC, RCM, Anatel	

\*1 Extended antenna is recommended if the SCG-G1 is installed inside a metal box or under a metal/concrete roof.