

Solar Control Gateway

SCG-G1



3,000M LONG-RANGE

Strong Communication
Unmatched long-range stability



199-PANEL CAPACITY

High-capacity, scalable networking
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 / VS Series	
Communication to Microinverter		
Signal	Sub-1G	
Maximum distance (open space)	3000m	
Monitoring data limit from solar panels	199'	
Communication to VIP 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 3 minutes	
Eletrical (Adapter)		
AC Input voltage/frequency	100 to 240 V AC, 50/60 Hz	
DC output voltage/current	5 V/2 A	
Power consumption	Typical 1.5 W, Max. 3.0 W	
Mechanical Data		
Ambient temperature (°C / °F)	-20 to +55 / -4 to +131	
Dimensions (W × H × D mm / ")	185 × 99 × 29 / 7.3 x 3.9 x 1.1 (without antennas)	
Weight (kg)	0.248	
Installation method	Wall mounting / Desktop mounting	
Environmental rating	Indoor-NEMA 1 (IP20)	
Warranty	3 Years Standard	
Packing Configuration		
Container	20'GP / 40'HQ	
Pieces/Pallet	480 / 480	
Pallets per Container	20 / 48	
Pieces per Container	9600 / 23040	
Interaction		
LED	LED Indicator × 4 – RUN, Cloud, MI, ALM	
USB	USB2.0 × 1	
APP	VIP Cloud	
Compliance		
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.		