

IP65 SiC Model - Fanless & Low Noise Type

- Natural convection cooling, low-noise operation

■ High efficiency, using silicon carbide power devices, with efficiency up to 99%
- IP65 protection, waterproof, suitable for harsh high-pollution and high-dust environments

■ Built-in 4G/WiFi module (optional)



SPECIFICATIONS

Module Parameters		
Rated Voltage	400 VAC (For 208 V or 480 V, please contact us)	
Rated Current	APF 30A	APF 50A
PoweCapactiy	SVG 20Kvar	SVG 35Kvar
System parameter		
Rated input voltage	400VAC (−20%~+15%)	
Grid Frequency	50 Hz (range: 47 Hz–53 Hz), 60 Hz (range: 57 Hz–63 Hz)	
Number of parallel units	≤16 units	
Efficiency	Up to 99%	
Grid Structure	Three-phase four-wire or three-phase three-wire	
Current transformer	50/5~10, 000/5	
Performance indicators		
Compensation range	2 to 50 times	
Harmonic Attenuation	>95% (rated load)	
Quick Response Time	<25 μ s	
Full Response Time	<5ms	
Objective PF	-1 to +1; capacitance and inductance are continuously adjustable	
Compensation Method	Harmonic suppression, reactive power compensation, and imbalance compensation – any combination of 11 modes	
Noise Indicator	<40dB	
Communication Monitoring		
Communication interface	RS485, WiFi, 4G, CAN	
Protocol	Modbus Protocol (RTU or TCP/IP)	
Module Display Interface	LED indicator, independent touchscreen, local WIFI operation interface	
Mechanical properties		
Way to install	Wall mounting type	
Width × Depth × Height (mm)	515×500x185	
Net weight	18kg	
Endosure	Industrial gray (RAL 7035), customizable upon request	
CT mode of connection	Support both the source side and load side	
Environmental Requirements		
Above sea level	≤1500m, between 1500 m and 3000 m, according to GB/T 3859.2, power decreases by 1% for every additional 100 m.	
Running temperature	−40℃~+55℃	
Relative humidity	5% to 95%, without condensation	
Protection Level	IP65	
Relevant Qualifications and S		
Follow Standards	IEC61000–3–6、IEC61000–6–4、ER G5/4, EN 62477–1	
Attestation	CE, CQC	

Testing basis:DL/T 1216-2019 "Technical Specifications for Low-Voltage Stationary Reactive Power Generation Devices"