

New



>>SOG-5K-DM<<



>>SOG-3K-SM<<



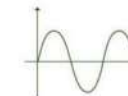
FEATURES

SOG5K-DM

- 1. Super large 4-inch LCD
- 2. I-V curve scanning function
- 3. IP65 ingress protection
- 4. Smart monitoring, RS485, Wifi/Ethernet/GPRS(optional)

Technical Parameter

SOG-series



Specifications	Model	SOG3K-SM	SOG5K-DM
Input Data (DC)			
Recommended max PV input power		3300W	5500W
Max DC power for single MPPT		3300W	3000W
Number of independent MPPT		/	2
Number of DC inputs		/	1 for each MPPT
Max. Input voltage		500V	500V
Number of MPPT/String per MPPT		1/1	2/1
Start-up input voltage			120V
Rated input voltage			380V
MPPT voltage range		100-490V	100V-490V
Full load DC voltage range		240-400V	200V-400V
Max. Input current per MPPT		13A	13A/13A
Max. Input current		13A	/
Maximum DC input short circuit current per MPPT		15.6A	18A
Output Data (AC)			
Rated power		3000W	5000W
Max. AC power		3000VA	5000VA
Max. output current		/	/
Max. AC output current		14A	22A
Nominal grid voltage		L/N/PE, 220Vac, 230Vac, 240Vac	
Grid voltage range		(According to local standard) 150V-280VAC	
Nominal frequency		50Hz/60Hz	
Grid frequency range		45Hz-55Hz/54Hz-66Hz (According to local standard)	50/60Hz(±5%)
Active power adjustable range		0-3000W	0-5000W
THDI		<3%	
Power factor		1 default (adjustable +/-0.8)	
Performance			
Max. Efficiency		97.6%	97.6%
European weighted efficiency		97%	97%
Self-consumption at night		<1W	<1W
MPPT adaptation efficiency		93.5%	99.5%
Protection			
DC reverse polarity protection		No	
DC switch		Yes	Yes
Protection class		I	Yes
Anti-islanding protection		Yes	Yes
Overvoltage category		II (DC side) / III (AC side)	II (DC side) / III (AC side)
Over temp protection		Yes	Yes
Leakage current protection		Yes	Yes
Over voltage protection		Yes	Yes
Over current protection		Yes	Yes
Earth fault protection		Yes	Yes
SPD		MOV Type III standard	
Communication			
Power management App		Yes	Yes
Standard communication mode		RS485, WiFi/GPRS(optional)	
General Data			
Topology		Transformerless	
Allowable relative humidity range		0~100%	
Noise		<25dB	
Cooling		Natural	
Max. Operating altitude		≤2000m	
Display		LCD /LED	
Degree of protection		IP65	
Warranty		/	
Ambient temperature range		-25°C ~ +60°C	-25°C ~ +60°C
Dimensions (W/H/D)		265*126*325mm	437*320*135mm
Self-consumption at night		<1W	/
Weight		8.8kg	15.7kg
Standard			
EMC		EN61000-6-2, EN61000-6-3, EN61000-3-2, EN61000-3-3	
Safety standards		IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)	
Grid standards		AS/NZS 4777, VDE V 0124-100, VDE V0126-1-1, VDE-AR-N4105, CEI0-21, EN50438/EN50549, G83, C10/11, RD1699, UTE C-15-712-1;	