

	SOSSEN-Micro 300	SOSSEN-Micro 400	SOSSEN-Micro 500
Model "SINGLE"			
Recommended Module Power (STC) / DC Input	320~540+W	360~600+W	400~670+W
INPUT DATA (DC)			
DC Input Voltage		20-60V	
DC Input Current	0-12A	0-16A	0-16A
Maximum Short-Circuit Input Current		25A	
MPPT Voltage Range		20-55V	
Starting Voltage		20V	
OUTPUT DATA (AC)			
Nominal Output Power	300W	400W	500W
Output Voltage		230V	
Nominal Output Current	1.3A	1.74A	2.17A
Frequency		50Hz	
Current Harmonic		<3%	
DC Component (mA)	<0.5%*1.3	<0.5%*1.74	<0.5%*2.17
EFFICIENCY			
Maximum Efficiency		97.3%	
Nominal MPPT Efficiency		99.6%	
MECHANICAL DATA			
Dimensions (L x H x W)		205*185*28mm	
Weight		2.1KG	
Interface means	AC output: single-sided output, DC input: with extension cable, Single component input		
Ambient Operating Temperature Range		-40-65°C	
Storage Temperature Range			
OTHERS		-40-85°C	
OTHER			
Communication		Built in WiFi and Bluetooth	
Protection Degree		IP67	
Energy Management		APP PowerHome	
Cooling Method		Convection naturelle	
Altitude		<3000 m	
Pollution Level		PD3	
Protection Class		I	
Overvoltage Category		PV: II, general current: III	
Warranty		Standard 12 years; 25 years optional	
COMPLIANCE			
CE	IEC62109-1/-2, IEC61000-6-1/-21-3-4, IEC61000-3-2, IEC61000-3-3, IEC 61727, IEC 62116, IEC 61683		
Grid Certificate	EN50549-1:2019, VDE-AR-N 4105: 2018, VFR 2019, RD1699:2011, CE1 0-21:2019, ABNT NBR 16149. ABNT NBR 16150, AS/NZS 4777.2:2015		