

Sigen PV Inverter 3.0–6.0 kW Single Phase

Sigen PV Max	3.0 SP	3.6 SP	4.0 SP	4.6 SP	5.0 SP	6.0 SP	Units	
DC Input								
Max. PV power	6000	7360	8000	9200	10000	12000	W	
Max. DC input voltage							600	V
Nominal DC input voltage							350	V
Start-up voltage							100	V
MPPT voltage range							50 ~ 550	V
Number of MPP. trackers							2	
Number of PV strings per MPPT							1	
Max. input current per MPPT							16	A
Max. short-circuit current per MPPT							20	A
AC Output								
Nominal output power	3000	3680	4000	4600	5000	6000	W	
Max. output apparent power	3300	3680	4400	5000	5500	6600	VA	
Nominal output current	13.6	16.0	18.2	20.9	22.7	27.3	A	
Max. output current	15.0	16.0	20.0	22.7	25.0	30.0	A	
Nominal output voltage							220 / 230 / 240	V
Nominal grid frequency							50 / 60	Hz
Power factor							0.8 leading ~ 0.8 lagging	
Total current harmonic distortion							THDi < 2%	
Efficiency								
Max. efficiency							98.0%	
European efficiency	97.0%	97.1%	97.2%	97.3%	97.4%	97.4%		
General Data								
Dimensions (W / H / D)							700 / 300 / 268	mm
Weight							18	kg
Storage temperature range							-40 ~ 70	°C
Operating temperature range							-30 ~ 60	°C
Relative humidity range							0% ~ 95%	
Max. operating altitude							4000	m
Cooling							Natural convection	
Ingress protection rating							IP66	
Noise emission							< 30	dB
Installation method							Wall-mounted	
Monitoring & Protection								
Anti-islanding protection							Supported	
DC reverse polarity protection							Supported	
Insulation monitoring							Supported	
DC surge protection							Supported	
AC surge protection							Supported	
Residual current monitoring							Supported	
AC overcurrent protection							Supported	
AC short-circuit protection							Supported	
AC overvoltage protection							Supported	