

Sigen PV Inverter

3.0 – 6.0kW Single Phase



- Easy installation with side cabling
- Visible energy tracking on mySigen APP
- WLAN, Ethernet & 4G communication
- DC/AC ratio up to 2
- Dual MPP trackers
- IP66 protection rating

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				
Installation method			Wall-mounted				
Communication			WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)				
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				
Standard Compliance							
Standard ¹			IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62477, IEC/EN 61000-6-1, IEC/EN 61000-6-2				

1. For all standards refer to the certificates category in the Sigenenergy website.