

Sigen PV Inverter

5.0 – 25.0 kW Three Phase



- Easy installation with side cabling
- Visible energy tracking on mySigen APP
- WLAN, Ethernet & 4G communication
- DC/AC ratio up to 1.6
- Up to 4 MPP trackers
- IP66 protection rating

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Preliminary

Sigen PV Max	5.0 TP	6.0 TP	8.0 TP	10.0 TP	12.0 TP	15.0 TP	17.0 TP	20.0 TP	25.0 TP	Units	
DC Input											
Max. PV power	8000	9600	12800	16000	19200	24000	27200	32000	40000	W	
Max. DC input voltage										1100	V
Nominal DC input voltage										600	V
Start-up voltage										180	V
MPPT voltage range										160 ~ 1000	V
Number of MPP. trackers	2			3			4				
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	5000	6000	8000	10000	12000	15000	17000	20000	25000	W	
Max. output apparent power	5500	6600	8800	11000	13200	16500	18700	22000	27500	VA	
Nominal output current	7.6	9.1	12.2	15.2	18.2	22.8	25.8	30.4	38.0	A	
Max. output current	8.4	10.0	13.4	16.7	20.1	25.1	28.4	33.4	41.8	A	
Nominal output voltage										380 / 400	V
Nominal grid frequency										50 / 60	Hz
Power factor										0.8 leading ~ 0.8 lagging	
Total current harmonic distortion										THDi < 2%	
Efficiency											
Max. efficiency										98.4%	
European efficiency										98.0%	
General Data											
Dimensions (W / H / D)										700 / 300 / 283	mm
Weight										36	kg
Storage temperature range										-40 ~ 70	°C
Operating temperature range										-30 ~ 60	°C
Relative humidity range										0% ~ 95%	
Max. operating altitude										4000	m
Cooling										Smart air cooling	
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	