

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					30					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					