



Sigen Hybrid Inverter

Three Phase

- Battery ready, future proof
- Up to 4 MPP. trackers
- IP66 protection rating

Sigen Hybrid Inverter 5.0-25.0 kW Three Phase

Sigen Hybrid	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										V
Nominal DC input voltage										V
Start-up voltage										V
MPPT voltage range										V
Number of MPP trackers	2			3			4			
Number of PV strings per MPPT										
Max. input current per MPPT										A
Max. short-circuit current per MPPT										A
AC Output (on-grid)										
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										V
Nominal grid frequency										Hz
Power factor										0.8 leading ~ 0.8 lagging
Total current harmonic distortion										THDi < 2%
Efficiency										
Max. efficiency	98.1%	98.2%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	
European efficiency	96.1%	96.6%	97.1%	97.5%	97.7%	97.9%	97.9%	97.9%	98.0%	
Additional Features										
Compatible battery module										SigenStor BAT 5.0 / 8.0
Number of modules per controller										pcs
Battery module voltage range										V
Peak output power (10 seconds)	7500	9000	12000	15000	18000	22500	25500	30000	30000	W
Nominal output voltage										V
Protection										
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter ¹ , AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection									
General Data										
Dimensions (W / H / D)										mm
Weight										kg
Storage temperature range										°C
Operating temperature range										°C
Relative humidity range										
Max. operating altitude										m
Cooling										Smart air cooling
Ingress protection rating										IP66
Installation method										Wall-mounted
Communication										WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)
Standard Compliance										
Standard ²	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2									

1. This is an optional feature only supported in certain models, please contact Sigenenergy for more information.
2. For all standards refer to the certificates category in the Sigenenergy website.