

# Sigen Hybrid Inverter

5.0 – 30.0 kW Three Phase



- Battery ready, future proof
- DC/AC ratio up to 1.6
- Up to 4 MPP. trackers
- IP66 protection rating

## Sigen Hybrid Inverter 5.0–30.0 kW Three Phase Australia

Sigen Hybrid	5.0 TP	10.0 TP	15.0 TP	20.0 TP	25.0 TP	30.0 TP	Units
DC Input							
Max. PV power	8000	16000	24000	32000	40000	48000	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	3	4	4	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 (on-grid)							
Nominal output power	5000	9999	15000	20000	25000	29999	W
Max. output apparent power	5000	9999	15000	22000	27500	29999	VA
Nominal output current	7.2	14.4	21.7	30.4	38.0	43.4	A
Max. output current	7.2	14.4	21.7	33.4	41.8	43.4	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	98.1%	98.3%	98.3%	98.3%	98.3%	98.4%	
European efficiency	96.1%	97.5%	97.9%	97.9%	98.0%	98.0%	
Additional Features							
Compatible battery module	SigenStor BAT 5.0 / 8.0						
Number of modules per controller	1 ~ 6						pcs
Battery module voltage range	600 ~ 900						V
Off-grid peak output power (10 seconds)	7500	15000	22500	30000	30000	36000	W
Off-grid peak output current (10 seconds)	11.4	22.8	34.2	45.6	45.6	54.7	A
Nominal output voltage	380 / 400						V
Protection							
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter <sup>1</sup> , AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection						
General Data							
Dimensions (W / H / D)	700 / 300 / 283						mm
Weight	36	36	36	36	36	38	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)						
Standard Compliance							
Standard <sup>2</sup>	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2, AS 4777						

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