

Sigen Hybrid Inverter

3.0 - 6.0 kW Single Phase



- Battery ready, future proof
- DC ground-fault protection
- DC/AC ratio up to 2
- Dual MPP trackers
- IP66 protection rating

Sigen Hybrid Inverter 3.0-6.0 kW Single Phase

Sigen Hybrid	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						\vee			
MPPT voltage range	50 ~ 550						V			
Number of MPP. trackers	2									
Number of PV strings per MPPT	1									
Max. input current per MPPT	16									
Max. short-circuit current per MPPT	20						А			
AC Output (on-grid)										
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	А			
Max. output current	15.0	16.0	20.0	22.7	25.0	30.0	А			
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%				
Additional Features										
Compatible battery module	SigenStor BAT 5.0 / 8.0									
Number of modules per controller	1~6						pcs			
Battery module voltage range	300 ~ 600						V			
Peak output power (10 seconds)	4500	5520	6000	6900	7500	9000	W			
Nominal output voltage	220 / 230 / 240						\vee			
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			
operating temperature range			-30 ~	00	0% ~ 95%					
Relative humidity range										
				95%			m			
Relative humidity range			0% ~	95% DO			m			
Relative humidity range Max. operating altitude			0% ~ 400	95% 00 Invection			m			
Relative humidity range Max. operating altitude Cooling			0% ~ 400 Natural co	95% 00 privection 66			m dB			

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