

Sigen Energy Controller 5.0–30.0 kW Three Phase Australia

SigenStor EC	5.0 TP AU	6.0 TP AU	8.0 TP AU	10.0 TP AU	12.0 TP AU	15.0 TP AU	17.0 TP AU	20.0 TP AU	25.0 TP AU	30.0 TP AU	Units
DC Input											
Max. PV power	8000	9600	12800	16000	19200	24000	27200	32000	40000	48000	W
Max. DC input voltage											V
Nominal DC input voltage											V
Start-up voltage											V
MPPT voltage range											V
Number of MPP. trackers	2	2	2	3	3	3	4	4	4	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	9999	12000	15000	17000	20000	25000	29999	W
Max. output apparent power	5000	6600	8800	9999	13200	15000	18700	22000	27500	29999	VA
Nominal output current	7.2	9.1	12.2	14.4	18.2	21.7	25.8	30.4	38.0	43.4	A
Max. output current	7.2	10.0	13.4	14.4	20.1	21.7	28.4	33.4	41.8	43.4	A
Nominal output voltage											V
Nominal grid frequency											Hz
Power factor											
Total current harmonic distortion											
Efficiency											
Max. efficiency	98.1%	98.2%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.4%	
European efficiency	96.1%	96.6%	97.1%	97.5%	97.7%	97.9%	97.9%	97.9%	98.0%	98.0%	
Additional Features											
Compatible battery module											
Number of modules per controller											
Battery module voltage range											
Peak output power (10 seconds)	7500	9000	12000	15000	18000	22500	25500	30000	30000	36000	W
Protection											
Safety protection feature											
Inverter topology											
Protective class											
Overvoltage category											
Active anti-islanding protection											
General Data											
Dimensions (W / H / D)											
Weight	36	36	36	36	36	36	36	36	36	38	kg
Storage temperature range											
Operating temperature range											
Relative humidity range											
Max. operating altitude											
Cooling											
Ingress protection rating											
Installation method											
Communication											

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 on the Sigenenergy website.

* Country of manufacture: China

Sigen Hybrid Inverter 5.0–30.0 kW Three Phase Australia

Sigen Hybrid	5.0 TP AU	6.0 TP AU	8.0 TP AU	10.0 TP AU	12.0 TP AU	15.0 TP AU	17.0 TP AU	20.0 TP AU	25.0 TP AU	30.0 TP AU	Units
DC Input											
Max. PV power	8000	9600	12800	16000	19200	24000	27200	32000	40000	48000	W
Max. DC input voltage											V
Nominal DC input voltage											V
Start-up voltage											V
MPPT voltage range											V
Number of MPP. trackers	2	2	2	3	3	3	4	4	4	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	9999	12000	15000	17000	20000	25000	29999	W
Max. output apparent power	5000	6600	8800	9999	13200	15000	18700	22000	27500	29999	VA
Nominal output current	7.2	9.1	12.2	14.4	18.2	21.7	25.8	30.4	38.0	43.4	A
Max. output current	7.2	10.0	13.4	14.4	20.1	21.7	28.4	33.4	41.8	43.4	A
Nominal output voltage											V
Nominal grid frequency											Hz
Power factor											
Total current harmonic distortion											
Efficiency											
Max. efficiency	98.1%	98.2%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.4%	
European efficiency	96.1%	96.6%	97.1%	97.5%	97.7%	97.9%	97.9%	97.9%	98.0%	98.0%	
Additional Features											
Compatible battery module											
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	36000	W
Protection											
Safety protection feature											
Inverter topology											
Protective class											
Overvoltage category											
Active anti-islanding protection											
General Data											
Dimensions (W / H / D)											mm
Weight	36	36	36	36	36	36	36	36	36	38	kg
Storage temperature range											°C
Operating temperature range											°C
Relative humidity range											
Max. operating altitude											m
Cooling											
Ingress protection rating											
Installation method											
Communication											

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2. For all standards refer to the certificates category on the Sigenenergy website.

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