



Sigenergy focuses on developing cutting-edge home and business energy solutions, with products ranging from energy storage systems to solar inverters and EV chargers. Our world-class R&D team of hundreds of top industry experts shares the vision of making the world greener via continuous innovation. With global sales and services, we aim to become our customers' most trusted partner on their journey to a more sustainable future.

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SIGENERGY

Business Energy Solution

Powering the future of business

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ABOUT SIGENERGY

Sigenergy focuses on developing cutting-edge home and business energy solutions, with products ranging from energy storage systems to solar inverters and EV chargers. Our world-class R&D team of hundreds of top industry experts shares the vision of making the world greener via continuous innovation. With global sales and services, we aim to become our customers' most trusted partner on their journey to a more sustainable future.

VISION

Enjoy Green Energy

MISSION

Be a distributed energy pioneer.
Build intelligent energy solutions with superior safety,
ultra simplicity, and outstanding performance.

SIGEN

Safe **I**ntelligent **G**reen **E**fficient **N**ew



SIGENERGY BUSINESS ENERGY SOLUTION

By integrating solar power with energy storage, businesses can effectively reduce ongoing utility cost and reliance on the grid. Not only providing a safety net in the event of power emergencies, but also fulfilling corporate social responsibilities. A competitive edge can be obtained by adopting more sustainable practices that align with company values as well as consumer and market trends.

Optimal Investment

Flexible adaption to different scenarios by modular design
Stackable easy installation with instant commissioning
Free from complex cabling, reducing costs and labor

Minimal O&M

IP66 protection, worry-free O&M and outdoor application
Comprehensive protection at both system and battery levels
Remote one-click full system diagnosis for easy troubleshooting

Higher Yields

Enhanced power generation achieved through more MPPTs
Battery active balancing for more usable energy
DC coupling system mitigates energy loss from cables

Sigen PV Inverter

50.0 / 99.9 / 110.0 / 125.0 kW



- Lightweight design, saves transportation and installation costs
- Multiple units in parallel connection, no data logger needed
- Industry-leading AFCI detection, superior safety and reliability
- Instant PV reverse connection alert, ensuring correct installation
- IP66 protection rating, worry-free outdoor usage with easy O&M

Sigen PV Inverter 50.0 / 99.9 / 110.0 / 125.0 kW Australia

Sigen PV	50M1-AU	99.9M1-AU	110M1-AU	125M1-AU	Units
DC Input					
Max. PV input power	100,000	199,800	220,000	220,000	Wp
Max. DC input voltage	1,100				V
Nominal DC input voltage	600				V
Start-up voltage	180				V
MPPT voltage range	160 ~ 1,000				V
Number of MPP trackers	4	8	8	8	
Number of PV strings per MPPT	2				
Max. input current per MPPT	32	32	32	40	A
Max. short-circuit current per MPPT	50				A
AC Output					
Nominal output active power	50,000	99,900	110,000	125,000	W
Max. output apparent power	50,000	99,900	110,000	125,000	VA
Max. output active power (cosΦ=1)	50,000	99,900	110,000	125,000	W
Nominal output current	72.5	144.8	159.4	181.2	A
Max. output current	72.5	144.8	159.4	181.2	A
Nominal output voltage	400, 3W+(N)+PE				Vac
Nominal grid frequency	50 / 60				Hz
Power factor	0.8 leading ~ 0.8 lagging				
Total current harmonic distortion	THDi < 3%	THDi < 2%	THDi < 2%	THDi < 2%	
Efficiency					
Max. efficiency	98.6%				
European efficiency	98.3%	98.4%	98.4%	98.3%	
Protection					
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter, AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection				
General Data					
Dimensions (W / H / D)	918 / 640 / 340				mm
Weight	75				kg
Nighttime power consumption	< 3.5				W
Storage temperature range	-40 ~ 70				°C
Operating temperature range	-30 ~ 60				°C
Relative humidity range	0% ~ 100%				
Max. operating altitude	5,000 (Derating at 4,000m)				m
PV connection type	MC4 (Max. 6 mm²)				
AC connection type	OT / DT terminal (Max. 240 mm²)				
Cooling	Smart air cooling				
Ingress protection rating	IP66				
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)				
Standard Compliance					
Standard ¹	IEC / EN 62109-1, IEC / EN 62109-2, IEC / EN 61000-6-1, IEC / EN 61000-6-2, AS/NZS 4777.2				

1.

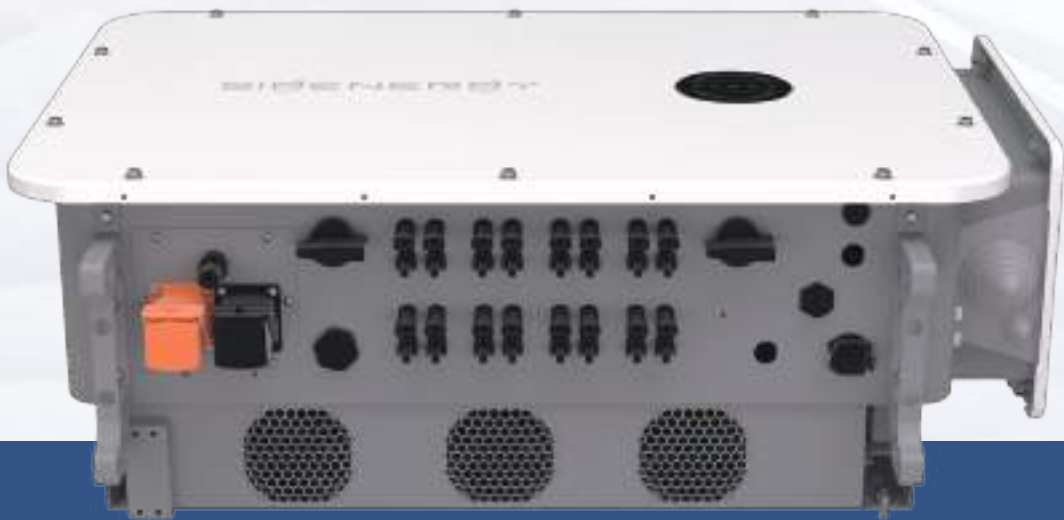
For all standards refer to the certificates category on the Sigenenergy website.

2.

The information in this document reflects the current state of technology and is subject to change without notice. For the latest updates, please refer to the Sigenenergy website.

Sigen Hybrid Inverter

50.0 / 99.9 / 110.0 / 125.0 kW



- Battery ready, easy upgrades to a PV + ESS system
- Lightweight design, saves transportation and installation costs
- Multiple units in parallel connection, no data logger needed
- Industry-leading AFCI detection, superior safety and reliability
- Instant PV reverse connection alert, ensuring correct installation
- IP66 protection rating, worry-free outdoor usage with easy O&M

Sigen Hybrid Inverter 50.0 / 99.9 / 110.0 / 125.0 kW Australia

Sigen PV	50M1-HYA-AU	99.9M1-HYA-AU	110M1-HYA-AU	125M1-HYA-AU	Units
DC Input (PV)					
Max. PV input power	100,000	199,800	220,000	220,000	Wp
Max. DC input voltage	1,100				V
Nominal DC input voltage	600 @380/400 Vac, 720 @480 Vac				V
Start-up voltage	180				V
MPPT voltage range	160 ~ 1,000				V
Number of MPP. trackers	4	8	8	8	
Number of PV strings per MPPT	2				
Max. input current per MPPT	32	32	32	40	A
Max. short-circuit current per MPPT	50				A
DC Input (Battery)					
Battery module models	SigenStack BAT 12.0				
System configuration quantity range	4 ~ 21				pcs
Max. charge power	50,000	99,900	110,000	125,000	W
Max. discharge power	50,000	99,900	110,000	125,000	W
Max. operating current	180				A
AC Output					
Nominal output active power	50,000	99,900	110,000	125,000	W
Max. output apparent power	50,000	99,900	110,000	125,000	VA
Max. output active power (cosΦ=1)	50,000	99,900	110,000	125,000	W
Nominal output current @400Vac	72.5	144.8	159.4	181.2	A
Nominal output current @480Vac	60.2	120.2	132.4	150.4	A
Max. output current @400Vac	72.5	144.8	159.4	181.2	A
Max. output current @480Vac	60.2	120.2	132.4	150.4	A
Nominal output voltage	400/480, 3W+(N)+PE				Vac
Nominal grid frequency	50 / 60				Hz
Power factor	0.8 leading ~ 0.8 lagging				
Total current harmonic distortion	THDi < 3%	THDi < 2%	THDi < 2%	THDi < 2%	
Efficiency					
Max. efficiency @400 Vac	98.6%				
European efficiency @400 Vac	98.3%	98.4%	98.4%	98.3%	
Max. efficiency @480 Vac	98.8%				
European efficiency @480 Vac	98.4%	98.6%	98.6%	98.4%	
Protection					
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter, AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection				
General Data					
Dimensions (W / H / D)	918 / 640 / 340				mm
Weight	78				kg
Nighttime power consumption	< 3.5				W
Storage temperature range	-40 ~ 70				°C
Operating temperature range	-30 ~ 60				°C
Relative humidity range	0% ~ 100%				
Max. operating altitude	5,000 (Derating at 4,000m)				m
PV connection type	MC4 (Max. 6 mm²)				
AC connection type	OT / DT terminal (Max. 240 mm²)				
Cooling	Smart air cooling				
Ingress protection rating	IP66				
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)				

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SigenStack

- Modular design, stackable installation, ultra-fast commissioning
- Pack-level safety protection, precise thermal runaway control
- Higher energy density, less footprint, easy site selection
- IP66 protection rating, free of regular & complex O&M

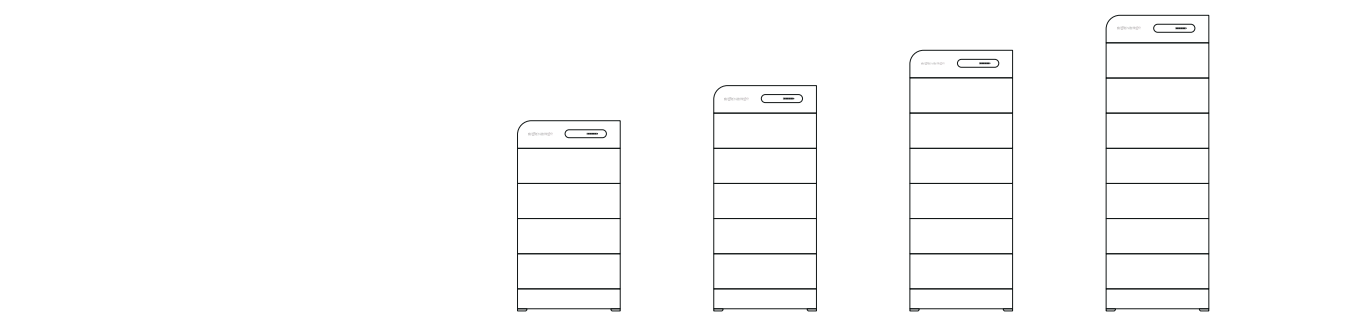
C&I Energy Storage System

SigenStack BC	M2-0.5C	M2-0.5C-BST ¹	M2-1C-BST ¹	Units
Max. output current (to inverter)	180			A
Max. input current (from inverter)	180			A
Compatible number of modules per system	20 ~ 21	4 ~ 20	4 ~ 20	pcs
Operating voltage range	550 ~ 1100			V
Max. charge/discharge current of battery	157	157	314	A
Weight	50	60	60	kg
Dimensions (W / H / D)	770 / 248 / 363			mm
Communication	CAN			
Compatible inverter	Sigen C&I Hybrid Inverter Series			

	SigenStack BAT 12.0	Units
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Performance Specification		
Battery type	LiFePO4	
Cell capacity	314	Ah
Cycle life ²	10000	
Total energy capacity per module	12.06	kWh
Weight	105	kg
Dimensions (W / H / D)	770 / 300 / 363	mm
Nominal charge / discharge rate	0.5C	
Max. charge / discharge rate	1C	
Max. system energy capacity	253	kWh

System General Data		
Fire suppression system	Aerosol, smoke sensor and exhausting system	
Max. operating altitude	4,000 (Derating at 2,000m)	m
Cooling	Smart air cooling	
System ingress protection rating	IP66	
Noise	< 70	dB
Operating temperature range	-20 ~ 55	°C
Relative humidity range	0% ~ 100%	
Max. number of modules per stack	7	pcs
Dimensions of base (W / H / D)	770 / 195 / 363	mm
Installation method	Floor standing	



Number of battery modules	4	5	6	7	pcs
Total energy capacity	48.24	60.3	72.36	84.42	kWh
Total weight	500	605	710	815	kg
Total height (with base and SigenStack BC)	1,643	1,943	2,243	2,543	mm
Total width	770				mm
Total depth	363				mm

1.

In the case of PV + ESS (DC coupling) projects, the battery controller should always utilize the 'BST' model.

2.

This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5C charge and discharge rate and SOH=60%.

3.

This document reflects current technology and is subject to change without notice. Refer to the Sigenergy website for the latest information.



Sigen Energy Controller

5.0 – 30.0 kW Three Phase

- EMS inside for precise control
 - Up to 4 MPP. trackers
 - Multi-source black start
- On & off-grid compatibility
 - DC/AC ratio up to 1.6
 - IP66 system protection rating

Sigen Energy Controller 5.0–30.0 kW Three Phase Australia

SigenStor EC	5.0 TP	10.0 TP	15.0 TP	20.0 TP	25.0 TP	30.0 TP	Units
DC Input (from PV)							
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%	
AC Output (backup)							
Nominal output power	5000	10000	15000	20000	25000	30000	W
Max. output apparent power	5500	11000	16500	22000	27500	33000	W
Peak output power (10 seconds)	7500	15000	22500	30000	30000	36000	W
Nominal output current	7.6	15.2	22.8	30.4	38.0	45.6	A
Max. output current	8.4	16.7	25.1	33.4	41.8	50.1	A
Peak output current (10 seconds)	11.4	22.8	34.2	45.6	45.6	54.7	A
Nominal output voltage	380 / 400						V
Nominal output frequency	50 / 60						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total voltage harmonic distortion	THDv < 2%						
Disruption time of backup switch ¹	0						ms
Battery Connection							
Battery module models	SigenStor BAT 5.0 / 8.0						
Number of modules per controller	1 ~ 6						pcs
Battery module voltage range	600 ~ 900						V
Protection							
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter ² , AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection						
General Data							
Dimensions (W / H / D)	700 / 300 / 260						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						
System ingress protection rating	IP66						
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)						
Standard Compliance							
Standard ³	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2, AS 4777						

1.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads.

2.

This is an optional feature only supported in certain models, please contact Sigenegy for more information.

3.

For all standards refer to the certificates category in the Sigenegy website.



Sigen Battery

- 280Ah cell capacity, low voltage & durable
- 100% DoD, full usage of energy capacity*
- Multi-layer full battery safety protection
- Visible battery status on mySigen App
- Quick connectors for fast installation
- Parallel connections for flexible battery mix

*Refers to usable capacity. Battery must be recharged within 7 days after being fully discharged to avoid over-discharge.

Sigen Battery 5.0 / 8.0

SigenStor BAT	5.0	8.0	Units
Performance Specification			
Battery type	LiFePO4		
Total energy capacity	5.38	8.06	kWh
Usable energy capacity ¹	5.2	7.8	kWh
Battery modules voltage range	300 ~ 900		V
Max. charge / discharge power	2500	4000	W
Max. charge / discharge current	7.5	12.0	A
Peak charge / discharge power (10 seconds)	3750	6000	W
General Data			
Weight	55	70	kg
Dimensions (W / H / D)	767 / 270 / 260		mm
Storage temperature range	-25 ~ 60		°C
Operating temperature range	-20 ~ 55		°C
Relative humidity range	5% ~ 95%		
Max. operating altitude	4000		m
Cooling	Natural convection		
System ingress protection rating	IP66		
Installation method	Floor standing / Wall-mounted		
Standard Compliance			
Standard	IEC/EN 60730-1, UN 38.3, IEC/EN 62619, IEC/EN 63056, IEC/EN 62040		

1. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C, at the beginning of life.

Sigen Energy Gateway



- Multiple SigenStor connections supported for micro-grid system
- Seamless backup, worry-free energy usage for your business
- Generator supported, abundant backup power
- 350 ms reverse power flow protection of grid & generator
- Uninterrupted power supply through PV+ESS/grid/generator

Sigen Energy Gateway for Australia

Sigen Gateway	C60 AU	Units
Grid Connection		
Grid connection type	Three phase	
Nominal AC input / output voltage	380 / 400	V
Nominal AC input / output current	91.2	A
Nominal AC input / output power	60	kW
Nominal AC frequency	50 / 60	Hz
Disruption time of backup switch ¹	0	ms
AC Output to Backup Port		
Nominal AC output voltage	380 / 400	V
Nominal AC output current	91.2	A
Nominal AC output power	60	kW
Nominal AC frequency	50 / 60	Hz
Overvoltage category	III	
Inverter Connection		
Nominal AC voltage	380 / 400	V
Nominal AC input current	45.6 (INV1), 45.6 (INV2), 30 (INV3) ²	A
Smart Port Connection		
Generator output voltage	380 / 400	V
Nominal input / output current	91.2	A
Nominal AC input / output power	60	kW
Generator 2-wire start	Supported	
General Data		
Dimensions (W / H / D)	510 / 765 / 173	mm
Weight	35	kg
Storage temperature range	-40 ~ 70	°C
Operating temperature range	-30 ~ 55	°C
Relative humidity range	0% ~ 95%	
Max. operation altitude	4000	m
Cooling	Natural convection	
Ingress protection rating	IP54	
Communication	Fast Ethernet , RS485, dry contact	
Installation method	Wall mounted	

1.

This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the backup loads.

2.

The sum of the parallel power of the Sigenergy inverters cannot exceed 60 kW.

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 ¹ , 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 ²	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.

Sigen EV DC Charging Module



Experience Fast DC charging

- Max. 25 kW bi-directional charging
- 150 V ~ 1000 V charging, wide EV compatibility
- Tracking & smart control on mySigen App
- IP66 system protection, maintenance free
- Charge EV with green solar power ¹

Sigen EV DC Charging Module 12 / 25 kW

SigenStor EVDC ¹	12	25	Units
DC Charging			
Max. charging power of charging port	12.5	25	kW
Max. discharging power of charging port	12.5	25	kW
Operation voltage range	150 ~ 1000		V
Max. operation current	40	80	A
Charging interface	CCS2		
Protection			
Short-circuit protection	Supported		
Over / Under voltage protection	Supported		
Overload protection	Supported		
Over temperature protection	Supported		
Reverse polarity protection	Supported		
Welded contactor check	Supported		
General Data			
Dimensions (W / H / D)	700 / 270 / 260		mm
Weight ²	37 (5m cable) / 39 (7.5m cable) / 41 (10m cable)		kg
Storage temperature range	-40 ~ 70		°C
Operating temperature range	-30 ~ 60		°C
Relative humidity range	5% ~ 95%		
Max. operating altitude	4000		m
Cooling	Smart air cooling		
System ingress protection rating	IP66		
Integrated charging cable length ³	5 / 7.5 / 10		m
Function			
Authentication	RFID card / App / No authentication		
Application	Bi-directional V2X operation ⁴ , Smart load management		
User interfaces	LED indicator, App, RFID		
Remote function	OTA, Remote diagnostics		
Standard Compliance			
Standard ⁵	EN IEC 61851-1, EN 61851-23, EN IEC 61851-21-2, ETSI EN 303 645		

1.

Sigen EV DC Charging Module needs to be used together with Sigen Energy Controller.

2.

The net weight includes the CCS2 cable-assembly also, but excludes the exteriors, wall-mounting fixtures and the related attachments.

3.

Integrated charging cable length refers to the length of the cable that extends from the Sigen EV DC Charging Module, not the length of the exposed cable.

4.

V2X functionality is limited by the EV's capabilities. Once the relevant standards are published and tested, V2X feature can be upgraded through the OTA. For the official support of vehicle models and support timelines, please refer to future announcement made on the official website.

5.

For all standards refer to the certificates category in the Sigenenergy website.

Sigen Communication Module



- IP66 protection rate, more reliable
- Plug & play, easy to use
- Support 2G / 3G / 4G communication

Sigen Communication Module

	Sigen CommMod	Units
Connection interface	USB	
Installation type	Plug-and-play	
Display	LED indicators	
Dimensions (W / H / D)	52 / 112 / 33	mm
Weight	90	g
Ingress protection rating	IP66	
Power consumption (typical)	< 4	W
Supported SIM card	Micro-SIM (12mm * 15mm)	
Supported standards	LTE-FDD B1/3/7/8/20/28A	
	LTE-TDD B38/40/41	
	WCDMA B1/8	
	GSM/EDGE B3/8	
Storage temperature range	-40 ~ 70	°C
Operating temperature range	-30 ~ 60	°C
Relative humidity range	0% ~ 95%	
Max. operating altitude	4000	m
Controller / Inverter compatibility	Sigen Energy Controller series Sigen Hybrid Inverter series	



Sigen Power Sensor



- 1% high-accuracy power detection for precise control
- LCD real-time info display, easy to operate and check
- Integrate smoothly with Sigenergy devices, no need for setup
- Support export/import limitations and ready for AI evolving
- 100 ms data refresh rate, instantaneous data feed

Sigen Power Sensor

Sigen Sensor ¹	TP-CT120-DH	TP-CT300-DH	TP-CT600-DH	TPX-CH	Units
Power Supply					
Grid connection type	3P3W/3P4W				
AC input voltage range	173 ~ 480		100 ~ 480		Vac
Nominal AC frequency	50 / 60				Hz
Measurement Accuracy					
Voltage accuracy	0.5%				
Current accuracy	0.5%				
Power accuracy	1%				
Frequency accuracy	0.2%				
Communication					
Interface	RS485				
Baud rate	9600				bps
Protocol	Modbus RTU				
General Data					
Dimensions (W / H / D)	72 / 94.5 / 65		72 / 100 / 65.5		mm
Weight	0.20	0.20	0.23	0.35	kg
Storage temperature range	-40 ~ 70				°C
Operating temperature range	-25 ~ 60				°C
Relative humidity range	0% ~ 90%				
Ingress protection rating	IP20				
Installation method	DIN Rail 35 mm				
CT Accessory					
Number of CT	3	3	3	-	pcs
Cable length of CT	1	1	1	-	m
Inner diameter of CT	16	24	36	-	mm
Weight of CT	0.09	0.2	0.4	-	kg
Max. operating current of CT	120	300	600	-	A
Standard Compliance					
Standard	EN 61010-1:2010, EN 61010-2-030:2010				

1. For more models refer to the Sigenergy website.

Leading the Way in Intelligent Manufacturing

Located in the Lin-gang New Area, Shanghai, a hub of world-class enterprises with strong innovative strengths, the 20,000 sqm manufacturing center is equipped with state-of-the-art technology and innovative manufacturing processes that allow us to produce high-quality products with exceptional efficiency. It also features the latest manufacturing execution system software (MES) which streamlines our operations and enables real-time monitoring of the production process.

By adopting Sigenergy products and utilizing solar energy, our factory achieves green manufacturing. A 3,000 sqm rooftop solar system reduces fossil fuel reliance and lowers our carbon footprint, enhancing efficiency and cutting costs.





Runs on Solar by Sigenery Solutions for a Sustainable Tomorrow

By adopting Sigenery products and embracing solar energy, our factory has achieved green manufacturing. With a 3,000 sqm PV plant on the rooftop, We have significantly reduced our reliance on fossil fuels and effectively cut carbon footprint during the manufacturing process. Our solar-powered production also translates into better efficiency and higher cost savings for our business. We are proud to be making a positive impact on the environment, and are committed to continuing to lead our sustainability practices to help build a better world for future generations.

Plant Size

 3,000 m²  362 kW_p  240 kW_{ac}  432 kWh

Estimated Annual Generation

 398,200 kWh

Community Contribution per Year

 309t CO₂ emission reduced

 269 equivalent of trees planted

Turning the Office into a Green Space with Renewable Energy

We have implemented a sustainable office by installing a 1,050 sqm PV plant and a 448 kWh energy storage system on the rooftop. This strategic investment not only ensures an abundant supply of clean energy but also leads to substantial reductions in carbon emissions. This system features a robust 0 ms load side disruption function, ensuring uninterrupted power supply for the entire office, which provides each employee with a worry-free and green energy usage experience.

Plant Size

⚡ 500 kW_{ac} 📄 848 kWh 🏠 25 kW x 10

Estimated Annual Generation

📄 421,080 kWh

Community Contribution per Year

☁️ 420t CO₂ emission reduced

🌳 482 equivalent of trees planted





Manufacturing Execution System (MES)

Quality and efficiency is consistently guaranteed by our MES system, which monitors, tracks, documents, and controls the entire manufacturing process from raw materials to finished products, as well as full product lifecycle management.

Where Quality Meets Perfection

At Sigenergy, our unwavering commitment to putting the customer first is at the core of everything we do. We firmly believe that delivering top-quality products is paramount to ensuring customer satisfaction and building long-term relationships. With a relentless pursuit of excellence, we constantly strive to develop innovative products that meet and exceed customer expectations. Our strict implementation of rigorous quality control guarantees that every product leaving our factories is of the highest standard. Moreover, we never settle for complacency; Instead, we embrace a culture of continuous improvement to constantly enhance our products and surpass industry standards.



SIGENERGY

Global C&I Cases

5-in-One, One for All: Ideal for C&I BESS

Factory

South Africa

2.4 MW AC output
4.1 MWh ESS capacity

Rustic-Luxe Lodge

South Africa

125 kW AC output
240 kWh ESS capacity

Winery

Spain

1.5 MW AC output
3 MWh ESS capacity

Game Ranch

Namibian

300 kW AC output
960 kWh ESS capacity

Community

Australia

70 kW AC output
336 kWh ESS capacity

Factory

Sweden

140 kW AC output
280 kWh ESS capacity

Poultry farm

Myanmar

150 kW AC output
144 kWh ESS capacity

Hotel

Mauritius

50 kW AC output
96 kWh ESS capacity

SIGENERGY

Global C&I Cases

Unlocking the Potential of C&I Energy Projects

