

LIGHTING THE WORLD WITH GREEN ENERGY

PRODUCT BROCHURE

2024

CHINT POWER SYSTEMS



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ABOUT CHINT

CHINT Today



Introduction to CHINT Group

Founded in 1984, CHINT Group Co., Ltd. (hereinafter referred to as "CHINT") is a global leading smart energy solutions provider. Over the past 40 years since its establishment, CHINT has always focused on industry and brand building, deeply implemented the strategy of "Industrialization, Technologization, Internationalization, Digitalization and Platformization", and formed three major segments of "Green Energy, Intelligent Electric and Smart Low-carbon" and two major platforms of "CHINT International Platform and Sci-tech Innovation Incubation Platform", and endeavored to build up "211X" Management Capabilities, including Intelligent Electric and New Energy Industry Cluster Capabilities, Regional Localization Capability, Middle and Backstage Integration Capability, and Innovation Incubation Capability. Its business covers more than 140 countries and regions, with 4 global R&D centers, 6 international marketing regions, over 25 domestic and international manufacturing bases, and a global workforce of over 50,000 employees. In 2023, CHINT's operating revenue reached USD 22.1 billion, and CHINT has been listed among the Top 500 Chinese Enterprises for more

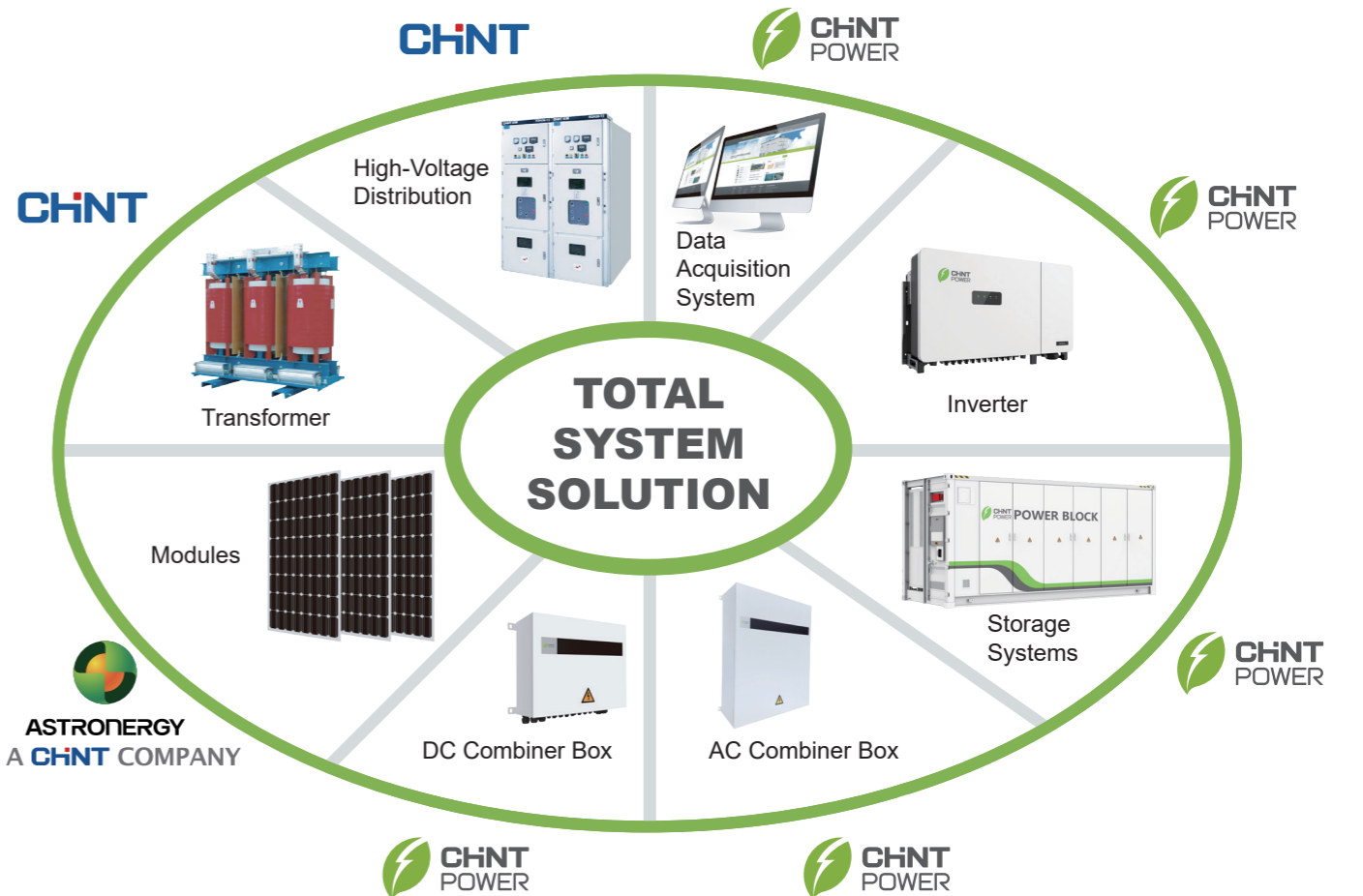
than 20 consecutive years. CHINT Electrics (stock code: 601877) is the first A-share listed company in China with LV electrical appliances as its main business.

CHINT continuously strengthens its "One Cloud & Two Nets" strategy, with "CHINT Cloud" as the carrier of intelligent technology and data applications and takes the lead in building the Energy Internet of Things (EIoT) and Industrial Internet of Things (IIoT) platforms, striving to be the explorer, advocator, and practitioner in the world of low-carbon development. With the "Green Energy, Smart Network, Load Reduction, and New Storage" service systems, CHINT sets up a platform-based enterprise, and builds a regional smart energy industry ecosystem. It provides a total energy solutions package for public institutions, industrial, commercial, and end users to achieve energy conservation, carbon reduction, and accelerate the energy transition.

ABOUT Chint Power Systems

Founded in July 2009, Chint Power mainly provides products and solutions for the renewable energy and power industries. Chint Power focuses on international and domestic renewable energy (photovoltaics and energy storage) field, with two research and development centers and five manufacturing bases around the world. The company's products have obtained UL, IEC, GB and other developed country grid certifications, and are sold to 30 countries and regions around the world, such as the United States, Japan, Germany, South Korea, and Brazil. The main clients include international and domestic well-known enterprises such as Tesla, Hyundai, National Power Investment Corporation, Three Gorges Group, China Resources Power, China Power Construction Corporation, Shanghai Electric, etc.

The company is a national high-tech enterprise. It has been recognized by the Ministry of Industry and Information Technology as the champion of invisible manufacturing in the field of photovoltaic equipment in Shanghai. The three-phase string photovoltaic inverter products have had a top market share in the North American market for eight consecutive years since 2015, and have the #1 market share in the Korean market since 2021. Ranking first globally in the 2023 Bloomberg photovoltaic inverter financing value report.



World Class Performance - GTM Award



The CPS performance is increasing year by year. 2013, Chint Power System Selected to be Top 10 of the Most Competitive PV Inverter Companies by GTM, the international well-known power and renewable energy research institute. GTM released the ranking list based on key qualitative metrics that measure each company's product quality, reliability, bankability, growth prospect alignment and integrated competitiveness. The ranking list shows a key assessment factor of the potential competitiveness in the future.

2014, According to the Total Shipment, Chint Power rank 13 of global PV Inverter market announced by GTM. Since 2015 to now, CPS three phase string inverter started dominate commercial segment of US market.

This year, Wood Mackenzie (GTM Research) released "Global solar PV and module-level power electronics inverter market share 2022". According to the report, CPS ranked 1st again in three phase string inverter shipments in the U.S.A with 28.3% of the market share 2022.

GTM/ Wood Mackenzie:
In 2022, CPS ranked 1st in three phase string inverter shipments in the U.S.A with 28.3% of the market share.



TOP1 Bankable Inverter Brand Bloomberg 2023

Bloomberg listed TOP1 Bankable Inverter Brand 2023

Source: BNEF's 2023 inverter bankability survey results

Company	Bankability Score
Chint Power	95
Enphase	85
SolarEdge	80
Goodix	75
Power Electronics	70
...	...

Products Overview

Hybrid PCS

Residential hybrid PCS



Battery

Low/High voltage residential battery

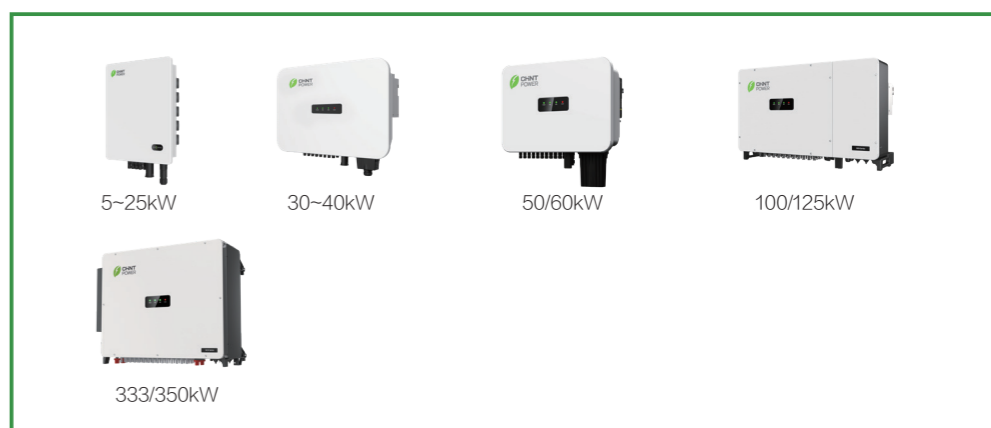


PV Inverters

Single-phase string inverters



Three-phase string inverters



ECH3~6K-SML-EU

Single Phase Residential Hybrid Inverter



High Return

- Max efficiency 97.4%, Battery efficiency 95.1%
- 5 basic modes to meet the needs of various scenarios
- Smart TOU mode, further increasing revenue

High Capability

- Up to 12kW output power in backup port with grid supply
- Save cost of separating loads, freedom of electricity in case of power failure
- Supports SG Ready heat pump and smart load control

High Protection

- Standard AFCI to protect your home
- Built-in Type II SPD on DC side
- IP66 protection for challenging environments

Model	ECH3K-SML-EU	ECH3.6K-SML-EU	ECH4.6K-SML-EU	ECH5K-SML-EU	ECH6K-SML-EU
Efficiency					
Max. Efficiency (PV to Grid)	97.40%	97.40%	97.40%	97.40%	97.40%
Eur.Efficiency (PV to Grid)	96.50%	96.50%	96.80%	96.80%	96.70%
Max. Efficiency (Battery to Load)	95.10%	95.10%	95.10%	95.10%	95.10%
PV					
Rated Input Voltage	360V	360V	360V	360V	360V
Max. Input Voltage	600V	600V	600V	600V	600V
Max. Input Power	9.00kW	9.68kW	10.60kW	10.80kW	10.80kW
Max. Input Current per MPPT	16/16A	16/16A	16/16A	16/16A	16/16A
Max.Short Circuit Current per MPPT	20/20A	20/20A	20/20A	20/20A	20/20A
No. of MPPTs	2	2	2	2	2
No. of Strings per MPPT	1	1	1	1	1
Start Input Voltage	100V	100V	100V	100V	100V
PV Operating Voltage Range	80-550V	80-550V	80-550V	80-550V	80-550V
Battery					
Battery Type	Lithium-ion/Lead-Acid				
Battery Voltage Range	40-60V	40-60V	40-60V	40-60V	40-60V
Max. Charge/Discharge Current	120/60A	120/75A	120/95A	120/120A	120/120A
Max. Charge/Discharge Power	6.0/3.0kW	6.0/3.6kW	6.0/4.6kW	6.0/5.0kW	6.0/6.0kW
Grid					
Max. Input Current	54.6A	54.6A	54.6A	54.6A	54.6A
Max. Input Apparent Power from Utility Grid	12.0kVA	12.0kVA	12.0kVA	12.0kVA	12.0kVA
Rated Output Apparent Power	3.00kVA	3.68kVA	4.60kVA	5.00kVA	6.00kVA
Max. Output Apparent Power	3.3kVA	4.0kVA	4.6kVA	5.5kVA	6.0kVA
Rated Output Voltage	L/N/PE~220/230V				
Rated Output Voltage Range	176-276V(Adjustable)				
Rated Grid Frequency	50Hz/60Hz				
THDI	<2%(Linear load)				
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)				
Backup Port					
Max. Output Current On Grid	54.6A	54.6A	54.6A	54.6A	54.6A
Max. Output Apparent Power On Grid	12.0kVA	12.0kVA	12.0kVA	12.0kVA	12.0kVA
Rated Output Apparent Power Off Grid	3.00kVA	3.68kVA	4.60kVA	5.00kVA	6.00kVA
Max. Output Apparent Power Off Grid	3.3kVA	4.0kVA	4.6kVA	5.5kVA	6.0kVA
Rated Output Voltage	220/230V	220/230V	220/230V	220/230V	220/230V
Rated Output Frequency	50Hz/60Hz				
THDV	<2%(Linear load)				
Switching Time	10ms				
Protection					
DC Switch	Support	Support	Support	Support	Support
Anti-islanding Protection	Support	Support	Support	Support	Support
AC Overcurrent Protection	Support	Support	Support	Support	Support
AC Overvoltage Protection	Support	Support	Support	Support	Support
PV String Reverse Protection	Support	Support	Support	Support	Support
Surge Arrester	AC Type II, DC Type II				
Insulation Detection	Support	Support	Support	Support	Support
Leakage Current Protection	Support	Support	Support	Support	Support
AFCI	Support	Support	Support	Support	Support
RSD Function	Option	Option	Option	Option	Option
General					
Topology	High Frequency Isolation (Battery)				
IP Rating	IP66	IP66	IP66	IP66	IP66
Cooling	Natural cooling	Natural cooling	Natural cooling	Natural cooling	Natural cooling
Operating Temperature Range	-25°C-60°C	-25°C-60°C	-25°C-60°C	-25°C-60°C	-25°C-60°C
Relative Humidity Range	0-100%	0-100%	0-100%	0-100%	0-100%
Max. Operating Altitude	4000m				
Noise (Typical)	<35dB	<35dB	<35dB	<35dB	<35dB
Dimensions (W*H*D)	460*460*203mm	460*460*203mm	460*460*203mm	460*460*203mm	460*460*203mm
Weight	26kg	26kg	26kg	26kg	26kg
Display	LED&APP	LED&APP	LED&APP	LED&APP	LED&APP
Communication	RS485,CAN, WIFI/4G(optional)				
Certification					
Safety	IEC/EN62109-1&2, IEC/EN62477-1, IEC/EN61727 / 62116, IEC/EN61000-6-1/2/3				
Grid Code	VDE 4105, CEI 0-21, EN 50549-1, PTPIREE+NCRfG, NTS 2.1, 217001, 217002				

* The certificates are for reference only. Please consult the local sales staff for detailed certification.

ECH8~20K-TH-EU

Three Phase Residential Hybrid Inverter



High Return

- Max efficiency 98.3%, Battery efficiency 97.5%
- 5 basic modes to meet the needs of various scenarios
- Smart TOU mode, further increasing revenue

High Capability

- Up to 40kW output power in backup port with grid supply
- Save cost of separating loads, freedom of electricity in case of power failure
- Supports SG Ready heat pump and smart load control
- Three-phase unbalance capacity, single-phase up to 50% of rated power

High Protection

- Standard AFCI to protect your home
- Built-in Type II SPD on DC side
- IP66 protection for challenging environments

Model	ECH8K-TH-EU	ECH10K-TH-EU	ECH12K-TH-EU	ECH15K-TH-EU	ECH18K-TH-EU	ECH20K-TH-EU
Efficiency						
Max. Efficiency (PV to Grid)	98.20%	98.30%	98.30%	98.30%	98.30%	98.30%
Eur.Efficiency (PV to Grid)	97.50%	97.60%	97.70%	97.70%	97.70%	97.70%
Max. Efficiency (Battery to Load)	97.50%	97.50%	97.80%	97.80%	97.80%	97.80%
PV						
Rated Input Voltage	600V	600V	600V	600V	600V	600V
Max. Input Voltage	1100V	1100V	1100V	1100V	1100V	1100V
Max. Input Power	12.80kW	16.00kW	19.20kW	24.00kW	28.80kW	30.00kW
Max. Input Current per MPPT	16A/16A/16A/16A	16A/16A/16A/16A	16A/16A/16A/16A	16A/16A/16A/16A	16A/16A/16A/16A	16A/16A/16A/16A
Max.Short Circuit Current per MPPT	24A/24A/24A/24A	24A/24A/24A/24A	24A/24A/24A/24A	24A/24A/24A/24A	24A/24A/24A/24A	24A/24A/24A/24A
No. of MPPTs	4	4	4	4	4	4
No. of Strings per MPPT	1	1	1	1	1	1
Start Input Voltage	160V	160V	160V	160V	160V	160V
PV Operating Voltage Range	160-1000V	160-1000V	160-1000V	160-1000V	160-1000V	160-1000V
Battery						
Battery Type	Lithium-ion/Lead-Acid					
Battery Voltage Range	160-600V	160-600V	160-600V	160-600V	160-600V	160-600V
Max. Charge/Discharge Current	50A/50A	50A/50A	50A/50A	50A/50A	50A/50A	50A/50A
Max. Charge/Discharge Power	12kW/8kW	12kW/10kW	20kW/12kW	20kW/15kW	20kW/18kW	20kW/20kW
Grid						
Max. Input Current	60.8A	60.8A	60.8A	60.8A	60.8A	60.8A
Rated Output Apparent Power	8.0kVA	10.0kVA	12.0kVA	15.0kVA	18.0kVA	20.0kVA
Max. Output Apparent Power	8.8kVA	11.0kVA	13.2kVA	16.5kVA	19.8kVA	20.0kVA
Rated Output Voltage	3W / N / PE; 220 / 380 3W / N / PE; 230 / 400 3W / N / PE; 240 / 415 adjustable					
Rated Grid Frequency	50Hz/60Hz					
THDI	<2% (Rated Power)					
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)					
Backup Port						
Max. Output Current (On Grid)	60.8A	60.8A	60.8A	60.8A	60.8A	60.8A
Max. Output Apparent Power (On Grid)	40.0kVA	40.0kVA	40.0kVA	40.0kVA	40.0kVA	40.0kVA
Max. Output Apparent Power (Off Grid)	8.8kVA	11.0kVA	13.2 kVA	16.5kVA	19.8kVA	22.0kVA
Peak Output Apparent Power	22 @60s	22 @60s	22 @60s	22 @60s	22 @60s	22 @60s
Rated Output Voltage	380V/400V/415V, 3W+N+PE					
Rated Output Frequency	50Hz/60Hz					
Max. Output Single Phase Apparent Power	4.0kVA	5.0kVA	6.0kVAz	7.5kVAz	9.0kVA	9.0kVA
THDV	<2% @100% R Load					
Switching Time	10ms	10ms	10ms	10ms	10ms	10ms
Protection						
DC Switch	Support					
Anti-islanding Protection	Support					
AC Overcurrent Protection	Support					
AC Short Circuit Protection	Support					
PV String Reverse Protection	Support					
Surge Arrester	AC Type II, DC Type II					
AFCI	Support					
RSD Function	Option					
General						
Topology	Non-Isolated					
IP Rating	IP66					
Cooling	Forced airflow					
Operating Temperature Range	-25°C-60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Noise (Typical)	<45dB					
Dimensions (W*H*D)	≈580/500/250mm					
Weight	≈37kg					
Display	LED&APP					
Communication	RS485,CAN, WIFI/4G(optional)					
Certification						
Safety	IEC62109-1&2 IEC61000					
Grid Code	EN50549,VDE4105,Tor erzeuger typeA+R25 Tor erzeuger type B,EIFS2018-2,CEI 021,NC RfG, PTPIREE, PSE S.A.,EN50549-1					

* The certificates are for reference only. Please consult the local sales staff for detailed certification.

CPS ESSR-05/10/15/20KL1

Low Voltage Residential Battery



Flexible

- Standard packs and control modules reduce inventory and design difficulties

Safe

- Adapt to different installation environments with IP65 protection
- VDE 2510-50, IEC 63056

Easy

- Reduce wiring work during pack install
- Automatically assign of BMS address

Technical parameters



Model	CPS ESSR-05KL1	CPS ESSR-10KL1	CPS ESSR-15KL1	CPS ESSR-20KL1
System Parameters				
Power Control Module	CPS ECD51	CPS ECD51	CPS ECD51	CPS ECD51
Battery Extension Module	CPS EBM016100LF-L	CPS EBM016100LF-L	CPS EBM016100LF-L	CPS EBM016100LF-L
Rated Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage Range	44.8~57.6V	44.8~57.6V	44.8~57.6V	44.8~57.6V
Max Charge/Discharge Current	50A	100A	120A	120A
Max Power	2.5kW	5.0kW	6.0kW	6.0kW
Rated Charge/Discharge Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Useable Battery Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
DOD	100%	100%	100%	100%
Weight	60kg	104kg	148kg	192kg
Dimension (W*D*H)	670*178*650mm	670*178*1020mm	670*178*1390mm	670*178*1760mm
Product Parallel Extension	Up to 61.44kWh	Up to 61.44kWh	Up to 61.44kWh	Up to 61.44kWh
Operating Temperature	Charge: 0~50°C Discharge: -10~50°C			
Working Humidity	5~95%	5~95%	5~95%	5~95%
Protection	IP65	IP65	IP65	IP65
EOL	70%	70%	70%	70%
Communication	CAN	CAN	CAN	CAN
Certificates	IEC 62619, IEC 63056, IEC62040-1, VDE 2510-50, CE EMC, UKCA, UN 38.3			
Installation	Floor Mount & Wall Mount	Floor Mount & Wall Mount	Floor Mount & Wall Mount	Floor Mount & Wall Mount
Cooling	Natural	Natural	Natural	Natural
Altitude	≤3000m	≤3000m	≤3000m	≤3000m
Battery Extension Module				
Module	CPS EBM016100LF-L			
Rated Charge/Discharge Energy	5.12kWh			
Dimension (W*D*H)	670*178*370mm			
Weight	44kg			
EOL	70%			
Power Control Module				
Model	CPS ECD51			
Operating Voltage Range	44.8~57.6V			
Max Charge/Discharge Current	120A			
Dimension (W*D*H)	670*178*280mm			
Weight	8kg			

* The certificates are for reference only. Please consult the local sales staff for detailed certification.

CPS ESSR-05/10/15/20KH1

High Voltage Residential Battery



Flexible

- Standard packs and control modules reduce inventory and design difficulties
- Working below -10°C with self heating

Strong

- C-rate up to 0.8
- 4kW for each pack. Get 10kW power from only 15kWh

Easy

- Reduce wiring work during pack install
- Automatically assign of BMS address

Technical parameters



Model	CPS ESSR-05KH1	CPS ESSR-10KH1	CPS ESSR-15KH1	CPS ESSR-20KH1
System Parameters				
Power Control Module	CPS ECD500	CPS ECD500	CPS ECD500	CPS ECD500
Battery Extension Module	CPS EBM032050LF-H	CPS EBM032050LF-H	CPS EBM032050LF-H	CPS EBM032050LF-H
Rated Voltage	102.4V	204.8V	307.2V	409.6V
Operating Voltage Range	89.6~115.2V	179.2~230.4V	268.8~345.6V	358.4~460.8V
Max Charge/Discharge Current	40A	40A	40A	40A
Max Power	4.0kW	8.1kW	12.2kW	16.3kW
Rated Charge/Discharge Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Useable Battery Energy	5.12kWh	10.24kWh	15.36kWh	20.48kWh
DOD	100%	100%	100%	100%
Weight	75kg	131kg	188kg	244kg
Dimension (W*D*H)	770*178*680mm	≈770*178*1040mm	≈770*178*1400mm	≈770*178*1760mm
Product Parallel Extension	Up to 61.44kWh	Up to 61.44kWh	Up to 61.44kWh	Up to 61.44kWh
Operating Temperature	Charge&Discharge: -10~50°C			
Working Humidity	5~95%	5~95%	5~95%	5~95%
Protection	IP65	IP65	IP65	IP65
EOL	70%	70%	70%	70%
Communication	CAN	CAN	CAN	CAN
Certificates	IEC 62619, IEC 63056, IEC 62040-1, IEC 62477-1, CE EMC, VDE 2510-50, UKCA, UN38.3			
Installation	Floor Mount & Wall Mount	Floor Mount & Wall Mount	Floor Mount & Wall Mount	Floor Mount & Wall Mount
Cooling	Natural	Natural	Natural	Natural
Altitude	≤3000m	≤3000m	≤3000m	≤3000m
Battery Extension Module				
Module	CPS EBM032050LF-H			
Rated Charge/Discharge Energy	5.12kWh			
Dimension (W*D*H)	770*178*410mm			
Weight	56kg			
EOL	70%			
Power Control Module				
Model	CPS ECD500			
Operating Voltage Range	80~500V			
Max Charge/Discharge Current	40A			
Dimension (W*D*H)	770*178*220mm			
Weight	13kg			

* The certificates are for reference only. Please consult the local sales staff for detailed certification.

CPS SCA2~3.6KTL-PS1/EU

Single-Phase String Inverter

2-3.6kW • 1 MPPT • 500Vdc System



Efficient

Appealing yield

- 1 MPPT with Max. Efficiency 97.3%
- Easily compatible with various PV module based on max. input current 15A per MPPT
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter

Safe

Solid quality

- Durable and robust component
- IP65 & C5 protection
- Type II SPD for both DC and AC

Model Name	CPS SCA2KTL-PS1/EU	CPS SCA3KTL-PS1/EU	CPS SCA3.6KTL-PS1/EU
DC Input			
Max. DC Voltage	500Vdc		
MPPT Operating Voltage Range	50-490Vdc		
Start Voltage	70Vdc		
Rated DC Voltage	360Vdc		
Number of MPPT	1		
Number of DC Connection Sets per MPPT	1		
Max. input current per MPPT	15A		
Max. DC short-circuit current per MPPT	20A		
String Fuse	/		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	2kW	3kW	3.6kW
Max. AC Power	2.2kVA	3.3kVA	3.6kVA
Rated AC Voltage	220/230V		
AC Voltage Range ¹	160 - 300V		
Grid Connection Type	L/N/PE		
Max. AC Current	10A	15A	16A
Grid Frequency	50/60Hz		
Grid Frequency Range ¹	45-55/55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
AC Disconnection Type	/		
System Data			
Topology	Transformerless		
Max. Efficiency	97.3%	97.3%	97.3%
Euro Efficiency	95.9%	96.3%	96.5%
Consumption at Night	< 1W		
Protection			
DC reverse connection protection	Yes		
AC short circuit protection	Yes		
Leakage current protection	Yes		
Grid monitoring	Yes		
Ground fault monitoring	Yes		
Surge Protection	DC Type II / AC Type II		
AFCI	Option		
Environment Data			
Ingress Protection	IP65		
Cooling Method	Natural Convection		
Operating Temperature	-25°C to +60°C		
Ambient Humidity	0 - 100%		
Altitude	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	RS485/Wi-Fi (Standard) & 4G (Optional)		
Mechanical Data			
Dimensions (W*H*D)	320 * 344 * 137mm		
Weight	6.5kg		
DC Connection Type	MC4 (Max. 6mm ²)		
AC Connection Type	Plug and play connector		
Safety			
Certifications ²	EN 61000-6, EN/IEC 62109, IEC 61727, IEC 62116, VDE 4105, CEI 0-21, EN50549-1, VDE0126-1-1, NTS type A, UNE 217002, RD 647, UNE 217001, INMETRO PORTARIA N° 140, AS4777.2		

¹ AC Power is different under different rated AC voltage.

² The certificates are for reference only. Please consult the local sales staff for detailed certification.

CPS SCA4.6~6KTL-PSM1/EU

Single-Phase String Inverter

4.6~6kW • 2 MPPTs • 550Vdc System



Efficient

Appealing yield

- 2 MPPTs with Max. Efficiency 97.2%
- Easily compatible with various PV modules based on max. input current 15A per MPPT
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter

Safe

Solid quality

- Durable and robust component
- IP65 & C5 protection
- Type II SPD for both DC and AC

Model Name	CPS SCA4.6KTL-PSM1/EU	CPS SCA5KTL-PSM1/EU	CPS SCA6KTL-PSM1/EU
DC Input			
Max. DC Voltage	550Vdc		
MPPT Operating Voltage Range	70-540Vdc		
Start Voltage	90Vdc		
Rated DC Voltage	360Vdc		
Number of MPPT	2		
Number of DC Connection Sets per MPPT	1		
Max. input current per MPPT	15A		
Max. DC short-circuit current per MPPT	20A		
String Fuse	/		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	4.6kW	5kW	6kW
Max. AC Power	5.06kVA	5.5kVA	6kVA
Rated AC Voltage	220/230V		
AC Voltage Range ¹	160 - 300V		
Grid Connection Type	L/N/PE		
Max. AC Current	23A	25A	27.3A
Grid Frequency	50/60Hz		
Grid Frequency Range ¹	45-55/55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
AC Disconnection Type	/		
System Data			
Topology	Transformerless		
Max. Efficiency	97.2%	97.2%	97.2%
Euro Efficiency	96.0%	96.2%	96.3%
Consumption at Night	< 1W		
Protection			
DC reverse connection protection	Yes		
AC short circuit protection	Yes		
Leakage current protection	Yes		
Grid monitoring	Yes		
Ground fault monitoring	Yes		
Surge Protection	DC Type II / AC Type II		
AFCI	Option		
Environment Data			
Ingress Protection	IP65		
Cooling Method	Natural Convection		
Operating Temperature	-25°C to +60°C		
Ambient Humidity	0 - 100%		
Altitude	4000m		
Display and Communication			
Display	LED + APP(Bluetooth)		
Communication	RS485/Wi-Fi (Standard) & 4G (Optional)		
Mechanical Data			
Dimensions (W*H*D)	350 * 347 * 137mm		
Weight	8.5kg		
DC Connection Type	MC4 (Max. 6mm ²)		
AC Connection Type	Plug and play connector		
Safety			
Certifications ²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,VDE 4105,CEI 0-21,EN50549-1,VDE0126-1-1,NTS type A, UNE 217002.RD 647, UNE 217001,INMETRO PORTARIA N° 140,AS4777.2		

¹ AC Power is different under different rated AC voltage.

² The certificates are for reference only. Please consult the local sales staff for detailed certification.

SCA5~25K-T-EU

Three-Phase String Inverter

5~25kW • 2 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 2 MPPTs with Max. Efficiency 98.1%
- Easily compatible with various PV modules based on max. input current 15A per string
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter

Safe

Solid quality

- Durable and robust component
- IP66 & C5 protection
- Type II SPD for both DC and AC

Model Name	SCA5K-T-EU	SCA6K-T-EU	SCA8K-T-EU	SCA10K-T-EU	SCA15K-T-EU	SCA20K-T-EU	SCA25K-T-EU
DC Input							
Max. DC Voltage	1100Vdc						
MPPT Operating Voltage Range	200 - 1000Vdc						
Start Voltage	250Vdc						
Rated DC Voltage	600Vdc						
Number of MPPT	2						
Number of DC Connection Sets per MPPT	1			2			
Max. input current per MPPT	15A			30A			
Max. DC short-circuit current per MPPT	23A			45A			
DC Disconnection Type	Integrated Switch						
AC Output							
Rated AC Power	5kW	6kW	8kW	10kW	15kW	20kW	25kW
Max. AC Power	5.5kVA	6.6kVA	8.8kVA	11kVA	16.5kVA	22kVA	27.5kVA
Rated AC Voltage	380 / 400V						
AC Voltage Range1	277 - 520V						
Grid Connection Type	3Φ / N / PE						
Max. AC Current	8.4A	10A	13.4A	16.7A	25A	33.4A	41.7A
Grid Frequency	50 / 60Hz						
Grid Frequency Range1	45-55 / 55-65Hz						
Power Factor (cosφ)	>0.99(±0.8 adjustable)						
Current THD	< 3%						
System Data							
Topology	Transformerless						
Max. Efficiency	97.80%	97.80%	97.80%	97.70%	97.90%	97.50%	98.10%
Euro Efficiency	97.0%						97.5%
Protection							
DC reverse connection protection	Yes						
AC short circuit protection	Yes						
Leakage current protection	Yes						
24h Grid monitoring	Yes						
Ground fault monitoring	Yes						
Surge Protection	DC Type II / AC Type II						
AFCI	Yes						
Environment Data							
Ingress Protection	IP66						
Cooling Method	Cooling Fans						
Operating Temperature	-25°C to +60°C						
Ambient Humidity	0 - 100%						
Altitude	4000m						
Display and Communication							
Display	LED + APP(Bluetooth)						
Communication	RS485 / Wi-Fi (Standard) & 4G (Optional)						
Mechanical Data							
Dimensions (W*H*D)	416*526*205mm						
Weight	22kg						
DC Connection Type	MC4 (Max. 6 mm ²)						
AC Connection Type	OT/DT Terminal (Max.35 mm ²)						
Safety							
Certifications ²	IEC 61000, IEC 62109-1/2, IEC 61727, IEC 62116, IEC 63027, IEC 62920, C10/11, CEI 0-21, EN50549-1, NC RfG, NTS 2.1, RD 647, RD 1699, RD 413, UNE 217002, C15-712-1, VDE-AR-N 4105, TOR Erzeuger Typ A/B						

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.
² The certificates are for reference only. Please consult the local sales staff for detailed certification.

SCA30~40K-T-EU

Three-Phase String Inverter

30~40kW • 3/4 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 3/4 MPPTs with Max. Efficiency 98.5%
- Easily compatible with various PV modules based on max. input current 15A per string
- 150% DC/AC ratio
- Lower startup & wider MPPT voltage

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter

Safe

Solid quality

- Durable and robust component
- IP66 & C5 protection
- Type II SPD for both DC and AC

Model Name	SCA30K-T-EU	SCA33K-T-EU	SCA36K-T-EU	SCA40K-T-EU
DC Input				
Max. DC Voltage	1100Vdc			
MPPT Operating Voltage Range	200 - 1000Vdc			
Start Voltage	250Vdc			
Rated DC Voltage	615Vdc			
Number of MPPT	3		4	
Number of DC Connection Sets per MPPT	2		2	
Max. input current per MPPT	30A			
Max. DC short-circuit current per MPPT	45A			
DC Disconnection Type	Integrated Switch			
AC Output				
Rated AC Power	30kW	33kW	36kW	40kW
Max. AC Power	33kVA	36.3kVA	39.6kVA	44kVA
Rated AC Voltage	380 / 400V			
AC Voltage Range1	277 - 520V			
Grid Connection Type	3Φ / N / PE			
Max. AC Current	50A	55A	60A	66.7A
Grid Frequency	50 / 60Hz			
Grid Frequency Range1	45-55 / 55-65Hz			
Power Factor (cosφ)	>0.99(±0.8 adjustable)			
Current THD	< 3%			
System Data				
Topology	Transformerless			
Max. Efficiency	98.20%	98.80%	98.70%	98.50%
Euro Efficiency	98.00%			
Protection				
DC reverse connection protection	Yes			
AC short circuit protection	Yes			
Leakage current protection	Yes			
24h Grid monitoring	Yes			
Ground fault monitoring	Yes			
Surge Protection	DC Type II / AC Type II			
AFCI	Yes			
Environment Data				
Ingress Protection	IP66			
Cooling Method	Natural Convection			
Operating Temperature	-25°C to +60°C			
Ambient Humidity	0 - 100%			
Altitude	4000m			
Display and Communication				
Display	LED + APP(Bluetooth)			
Communication	RS485 / Wi-Fi (Standard) & 4G (Optional)			
Mechanical Data				
Dimensions (W*H*D)	684*488*270mm			
Weight	30kg		35kg	
DC Connection Type	MC4 (Max. 6 mm ²)			
AC Connection Type	OT/DT Terminal (Max.35 mm ²)			
Safety				
Certifications ²	IEC 61000, IEC 62109-1/2, IEC 61727, IEC 62116, IEC 63027, IEC 62920, C10/11, CEI 0-21, EN50549-1, NC RfG, NTS 2.1, RD 647, RD 1699, RD 413, UNE 217002, C15-712-1, VDE-AR-N 4105, TOR Erzeuger Typ A/B			

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.
² The certificates are for reference only. Please consult the local sales staff for detailed certification.

SCA50/60K-T-EU

Three-Phase String Inverter

50/60kW • 4 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 4 MPPTs with Max. Efficiency 98.4%
- Easily compatible with various PV modules based on max. input current 39A per MPPT
- 150% DC/AC ratio

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Smart fan cooling
- Support zero export by meter+CT

Safe

Solid quality

- Durable and robust component
- IP65 & C5 protection
- Type II SPD for both DC and AC

Model Name	SCA50K-T-EU	SCA60K-T-EU
DC Input		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200 - 1000Vdc	
Start Voltage	250Vdc	
Rated DC Voltage	600Vdc	
Number of MPPT	4	
Number of DC Connection Sets per MPPT	2	
Max. input current per MPPT	40A	
Max. DC short-circuit current per MPPT	50A	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	50kW	60kW
Max. AC Power	55kVA	66kVA
Rated AC Voltage	380 / 400V	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	83.6A	100.3A
Grid Frequency	50 / 60Hz	
Grid Frequency Range*	45-55 / 55-65Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
System Data		
Topology	Transformerless	
Max. Efficiency*	98.4%	
Euro Efficiency*	98.0%	
Protection		
DC reverse connection protection	Yes	
AC short circuit protection	Yes	
Leakage current protection	Yes	
24h Grid monitoring	Yes	
Ground fault monitoring	Yes	
Surge Protection	DC Type II / AC Type II	
AFCI	Yes	
PID Recovery	Yes	
Integrated RSD transmitter	Optional	
Environment Data		
Ingress Protection	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-25°C to +60°C	
Ambient Humidity	0 - 100%	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	RS485 / Wi-Fi (Standard) & 4G / Ethernet (Optional)	
Mechanical Data		
Dimensions (W*H*D)	716*609*306mm	
Weight	47kg	
DC Connection Type	MC4 (Max. 6 mm ²)	
AC Connection Type	OT/DT Terminal (Max.70 mm ²)	

*1 "Grid Frequency Range" may be differ according to specific grid codes.
 *2 The certificates are for reference only.Please consult the local sales staff for detailed certification.
 *3 The efficiency is for reference only.

SCA100/125K-T-EU

Three-Phase String Inverter

100/125kW • 12 MPPTs • 1100Vdc System



Efficient

Appealing yield

- 12 MPPTs with Max. Efficiency 98.5%
- Easily compatible with various PV modules based on max. input current 30A per MPPT
- Superb temperature performance, full power at 50°C(SCA100K-T-EU)
- 150% DC/AC ratio

Smart

Pragmatic option

- Communication interfaces [RS485/Wi-Fi (Standard) & 4G (Optional)]
- Built-in Bluetooth and App for local and remote monitoring
- Support zero export by meter+CT

Safe

Solid quality

- Durable and robust component
- IP66&C5 protection
- Type II SPD for both DC and AC

Model Name	SCA100K-T-EU	SCA125K-T-EU
DC Input		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200 - 950Vdc	
Start Voltage	300Vdc	
Rated DC Voltage	615Vdc	
Number of MPPT	12	
Number of DC Connection Sets per MPPT	2	
Max. input current per MPPT	30A	
Max. DC short-circuit current per MPPT	45A	
String Fuse	/	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	100kW	125kW
Max. AC Power	110kVA	125kVA
Rated AC Voltage	380 / 400V	
AC Voltage Range ¹	322 - 528V	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	167.2	190A
Grid Frequency	50 / 60Hz	
Grid Frequency Range ¹	45-55 / 55-65Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
AC Disconnection Type	/	
System Data		
Topology	Transformerless	
Max. Efficiency	98.11%	98.50%
Euro Efficiency	98.00%	98.10%
Consumption at Night	<6W	
Protection		
Anti-islanding Protection	Yes	
DC reverse polarity protection	Yes	
DC overvoltage protection	Yes	
Insulation resistance detection	Yes	
Residual Current Monitoring Unit	Yes	
Ground fault monitoring	Yes	
AC short circuit protection	Yes	
AC overvoltage protection	Yes	
PV string monitoring	Yes	
Dry contact remote control	Yes	
I-V curve scan	Yes	
AFCI	Yes	
Surge Protection	DC Type II / AC Type II	
Environment Data		
Ingress Protection	IP66	
Cooling Method	Cooling Fans	
Operating Temperature	-30°C to +60°C	
Ambient Humidity	0 - 100%	
Altitude	4000m	
Display and Communication		
Display	LED + APP(Bluetooth)	
Communication	RS485/Wi-Fi (Standard) & 4G (Optional)	
Mechanical Data		
Dimensions (W*H*D)	1050 * 660 * 340mm	
Weight	90kg	
DC Connection Type	MC4 (Max. 6mm ²)	
AC Connection Type	OT/DT Terminal(Max. 240mm ²)	
Safety		
Certifications ²	IEC61000, IEC/EN 62109, IEC61727/62116, EN50549, NC RFG, CEI 0-16, CEI 0-21, UNE217001, UNE 217002, NTS_V2.1, VDE-AR-N 4110, VDE-AR-N 4105, UTE-C15	

¹ AC Power is different under different rated AC voltage.

² The certificates are for reference only. Please consult the local sales staff for detailed certification.

SCH333~350K-T-EU

Three-Phase String Inverter

333/350kW • 12/15 MPPTs • 1500Vdc System



Efficient

Higher power generation

- 12/15 MPPTs with Max. Efficiency 99%
- Max. input current 20A per string, compatible with 700Wp+ module
- Superb temperature performance, full power at 45°C
- 150% DC/AC ratio

Smart

Fully controllable

- Comprehensive range of communication interfaces [PLC / Wi-Fi / RS485(Standard) & 4G / Ethernet(Optional)]
- Q at night (SVG) function
- Smart string monitoring based on I-V curve scanning and diagnosis

Safe

Superb quality with rapid response

- Durable and robust component
- Artfully designed air forced cooling system
- IP66&C5 protection
- Type II SPD for both DC and AC
- Full range of grid monitoring and protection
- Built-in anti-PID and PID recovery function
- Smart DC controllable switch, fast and automatic fault breaking

Model Name	SCH333K-T-EU		SCH350K-T-EU	
DC Input				
Max. DC Voltage	1500Vdc			
MPPT Operating Voltage Range	500 - 1500Vdc			
Start Voltage	550Vdc			
Rated DC Voltage	1190Vdc			
Number of MPPT	12	15	12	15
Number of DC Connection Sets per MPPT	2	2	2	2
Max. input current per MPPT	40A			
Max. DC short-circuit current per MPPT	60A			
String Fuse	/			
DC Disconnection Type	Integrated Switch			
AC Output				
Rated AC Power	333kW		350kW	
Max. AC Power	333kVA		350kVA	
Rated AC Voltage	800V			
AC Voltage Range*	680 - 880V			
Grid Connection Type	3Φ / PE			
Max. AC Current	241A		253A	
Grid Frequency	50 / 60Hz			
Grid Frequency Range	45-55 / 55-65Hz			
Power Factor (cosφ)	>0.99(±0.8 adjustable)			
Current THD	< 3%			
AC Disconnection Type	/			
System Data				
Topology	Transformerless			
Max. Efficiency	99.0%			
Euro Efficiency	98.5%			
Consumption at Night	<5W			
Protection				
Anti-islanding Protection	Yes			
DC reverse polarity protection	Yes			
DC overvoltage protection	Yes			
Insulation resistance detection	Yes			
Residual Current Monitoring Unit	Yes			
Ground fault monitoring	Yes			
Surge Protection	DC Type II / AC Type II			
AC short circuit protection	Yes			
AC overvoltage protection	Yes			
Overheat protection	Yes			
PV string monitoring	Yes			
I-V curve scan&diagnosis	Yes			
PID prevent&recovery	Yes			
Q at night	Yes			
24h grid monitoring	Yes			
Environment Data				
Ingress Protection	IP66			
Cooling Method	Cooling Fans			
Operating Temperature	-30°C to +60°C			
Ambient Humidity	0 - 100%			
Altitude	4000m			
Display and Communication				
Display	LED + APP(Bluetooth)			
Communication	RS485/Ethernet/PLC/CAN			
Mechanical Data				
Dimensions (W*H*D)	1057 * 810 * 400mm			
Weight	143kg			
DC Connection Type	MC4 (Max. 6mm ²)			
AC Connection Type	OT/DT Terminal(Max. 400mm ²)			

* AC Power is different under different rated AC voltage.
* Please consult the local sales staff for detailed certification.

CPS Remote Monitoring Platform



CPS Portal is a web-based platform for PV monitoring, enabling analysis and presentation of PV systems. Data collected from PV systems are transmitted to and analyzed by CPS portal, and then displayed in various formats that are easy to understand. Automatic alarms are available so that any malfunctions or abnormal conditions can be identified and reported immediately. Users can easily access CPS portal to monitor PV systems at anytime and from anywhere. This easy-to-use platform makes monitoring of PV systems simple and convenient, far reducing time and costs as well.

The portal can deal with data collected from CPS external data logger, embedded monitoring module, and weather station, etc. In addition, data from other devices can be analyzed and recorded as well if required by customers.

All data collected from devices are saved in multiple servers located all over the world, ensuring high-quality and stable service for our global users, and ensuring security of database as well to prevent loss of data.

- User-friendly and multilingual interface
- A variety of formats for better presentation
- Web-based remote management
- Automatic alarms as customized by users
- Easy access via Internet by computer and smartphone
- Data and event reports sent via email regularly as specified
- Visualized real-time data and historical data for analysis and easy understanding
- Demonstration power stations for reference, system information available to share through the portal

Data Display

- Daily, monthly, annual and total yield
- Historical data records
- Log records
- Malfunction records
- Daily, monthly and annual reports
- Display of weather information

Data Analysis

- Analysis on generating efficiency
- Analysis on performance of systems and devices
- Total earnings of systems
- Total reduction of CO2 emission
- Comparison of system performance

Model Name	CPS Portal
Language	English, Spanish, Thai, Czech, Portuguese, Chinese
Supported device number	English, Spanish, Thai, Czech, Portuguese, Chinese
System Requirements	
Supported Operating Systems	All/optimized access for mobile devices
Software	
Recommended Browsers	FireFox, Internet Explorer 7 or later, Safari, Chrome
Other	JavaScript and Cookies enabled
Access	
Access	solar.chintpower.com
Smartphone	CPS App for iPhone and Android
Plant Management	
CPS Portal Account	One password for all your plants in CPS Portal

CPS App---Mobile Monitoring at Anytime and Anywhere



CPS App is available on iPhones and smartphones with Android OS, enabling mobile monitoring of your PV systems easier and quicker. Both real-time and historical data can be displayed with transparent graphs and in daily, monthly, annual and overall format. Besides power and yield, data such as CO2 savings, weather condition and sensor information can be displayed as well.

CPS App can support both remote and local mode. With remote mode, you can view all data as same as CPS portal; and with local mode, you can get direct access to the web server of CPS monitoring device via WiFi and check the performance of your PV system.

- Real-time and historical data displayed via internet at any time
- CO2 savings, weather and sensor data displayed
- Visualized data with transparent graphs
- Local mode enables direct access to system data via WiFi
- Daily/monthly/annual/overall data

Wi-Fi Communication Module



WiFi Module is an internal data logger in the Chint Power Systems PV monitoring series.

By connecting with inverter through RS232/RS485 interface (DB9 port), the WiFi Module can collect information of PV systems from inverter. With the integrated WiFi function, the WiFi Module can connect to router and transmit data to the web server, realizing remote monitoring for users.

Users can check the runtime status of the device by checking the 3 LEDs on the module, Users can also upgrade the inverter firmware and setting parameters through web portal which connected by WiFi module.

- Supporting remote operation and maintenance functions including remote upgrading, parameter setting.
- Supporting direct connection configuration with APP, quickly and easily.
- Plug and play, quick installation.

Model Name	WiFi Module
General	
Supported device number	1
Display	LED*3
Configuration	APP
Communication	
RS485/RS232	1
WiFi	2.4GHz 802.11 b / g / n
Power	
Input Voltage	5Vdc
Power Consumption	2W
Environmental	
Operating Temperature	-20°C to +65°C
Working Humidity	≤95%
Protection class	IP65
Mechanical Parameters	
Dimensions (W * H * D)	45mm * 80mm * 25mm
Installation	Plug-in type

Chint Power Smart COMBOX



Features

- Comply with all Chint Power inverters
- Pre-configured for Plug & Play
- Capability with Chint Power O&M platform
- Hardware mounted and pre-wired
- IP65 rated enclosure
- Support local real-time monitoring

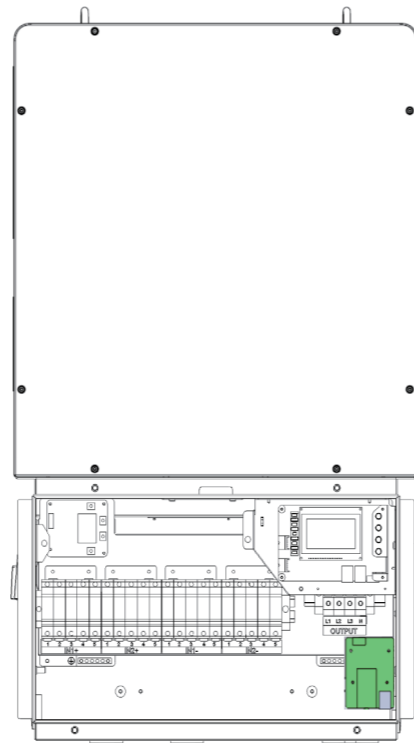
Chint Power communication box integrated multi-functional data collector and suitable for C&I and Power Station systems at different voltage levels. With the function of physical channel conversion, communication protocol conversion, it can meet the requirements of serial inverters data collector, such as Modbus acquisition, Modbus configuration visualization, inverter software batch upgrade and other services.

The data acquisition can support various protocol and it can connect various devices from different manufactures to the background monitoring management platform through Ethernet(IEC104, TCP), RS232 and RS485. Meanwhile it has DI, DO, AI, AO and PT100 connectors for multiple application.

Technical Data

Environment Data	
Operating Temperature	-30°C ~ 70°C
Ambient Humidity	5%~95%,Non-condensing
Storage Temperature	-40°C ~ 85°C
Altitude	≤4000m
Ingress Protection	IP65
Product Parameters	
Product Description	Including: Data Collector, Converter, Air Circuit Breaker Support: Ethernet(Standard), 4G(Optional)
Electric Parameters	
AC Input	100~240Vac, 50/60Hz
AC-PLC Voltage	380V~800Vac, Three-phase
Communication Interface	
RS232	2*50~115.2Kbps
RS485	4*50~115.2Kbps
Ethernet	2*10M/100M/1000Mbps
Digital / Analog Input / Output	DI*8, DO*4, AI*4, AO*1
PT100	2
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (standard), DL / T645
Mechanical Parameters	
Dimensions (W*H*D)	550mm*620mm*260mm
Weight	10Kg

CPS Flex Gateway



The CPS Flex Gateway is a new monitoring and controls solution for the CPS 25 to 350kW inverter line.

The gateway acts as a Modbus master data logger and gateway solution for monitoring and controlling commercial and utility scale inverter applications. This flexible monitoring solution enables three parallel outbound communication options: (1) local pass-through Modbus data to 3rd party solutions, (2) Ethernet based communications to the CPS portal and (3) a programmable Ethernet based connection to a location chosen by the customer.

The Flex Gateway enables remote F/W upload by the CPS Service team, enabling efficient field service solutions for our customers. The remote upload function is facilitated by the CPS Monitoring Portal.

Key Features

- Installed in a single inverter wire-box: no power or extra equipment required
- Modbus communications input (up to 32 inverters per card) - Modbus TCP/IP or Modbus RTU
- Complete controls functionality via Modbus (per inverter or broadcast command)
- Flexible outbound communications
- Programmable IP address for customer direct data (json format)
- Remote F/W solution
- Pass-through data for local 3rd party solutions (Modbus RS485)
- Low cost

Model Name	Flex Gateway
Communications	
Inverter interface	RS485
User interface	Standard: RS485, Ethernet, USB
Inverter connections per card	32
Protocol	HTTPS, DHCP, DNS Resolution, Modbus TCP, Modbus RTU
Monitoring	
Web connections	IP addresses: CPS + Programmable location
Local monitoring	Wired connection to the Data logger (integrated web GUI)
Remote monitoring	CPS platform or 3rd party platform
Data logging Specifications	
Data sampling rate	Programmable data sampling (1 to 15 minute sample rate)
Local data storage	Log data for 30 days based on 15 minute intervals
Upgradeability	Remotely via CPS platform or 3rd party platform / locally via USB
Data parameters	Modbus ID, Inverter S/N's, Model, TYield/DYield(kWh), RunT(min), Mode, Upv(V), Ipv(A), Pac(kW), PF, Freq(Hz), Uabc(V), Iabc(A)
Advanced Functions	
Remote O&M operations	Inverter parameter settings / inverter firmware upgrade
Controls Capability	Capable of control commands via Modbus (ie; PF control, Active power curtailment, Remote reset)
Power Parameters	
Input Voltage	9 ~ 24 Vdc
Power Consumption	2.5 W, Max. 5 W
Environmental Parameters	
Ambient temperature range	-30 to +85°C
Environmental protection	Installed in NEMA 4X wire-box
Relative humidity	<85% Non-condensing
Mechanical Parameters (per unit)	
Dimensions (H x W x D)	86mm * 69mm * 16mm
Weight	50g



CHINT POWER



Web 



WeChat 



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