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CHINT POWER SYSTEMS



Hybrid PCS



Model	CPS SCE4.6KTL-120/EU		CPS SCE5KTL-120/EU		CPS SCE6KTL-120/EU	
Efficiency						
Max. Efficiency (PV to Grid)			95.7%			
Max. Efficiency (Battery to Load)			94.2%			
PV						
Rated Input Voltage (V)			360V			
Max. Input Voltage (V)			550V			
Max. Input Power (kW)	9.0kW		9.0kW		9.0kW	
Max. Input Current per MPPT(A)			15A/15A			
Max.Short Circuit Current per MPPT(A)			20A/20A			
No. of MPPTs			2			
No. of Strings per MPPT			1			
Start Input Voltage (V)			90V			
PV Operating Voltage Range (V)			70-520V			
Battery						
Battery Type			Lithium-ion/Lead-Acid			
Battery Voltage Range (V)			40-60V			
Max. Charge/Discharge Current (A)	120A/95A		120A/120A		120A/120A	
Max. Charge/Discharge Power (kW)	6.0kW/4.6kW		6.0kW/5.0kW		6.0kW/6.0kW	
Grid						
Max. Input Current	41.0A		41.0A		41.0A	
Rated Output Apparent Power	4.6kVA		5.0kVA		6.0kVA	
Max. Output Apparent Power	4.6kVA		5.5kVA		6.0kVA	
Rated Output Voltage			220V/230V			
Rated Grid Frequency			50Hz/60Hz			
THDI			<3%(Rated Power)			
Power Factor			> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)			
EPS						
Max. Output Current (On Grid)	22.0A		23.9A		28.6A	
Rated Output Apparent Power (Off Grid)	4.6kVA		5.0kVA		6.0kVA	
Max. Output Apparent Power (Off Grid)	4.6kVA		5.0kVA		6.0kVA	
Rated Output Voltage (V)			220V/230V			
Rated Output Frequency			50Hz/60Hz			
Max. Output Single Phase Apparent Power			/			
THDV			<3%(Rated Power)			
Switching Time			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 III, DC Type III			
AFCI			Option			
RSD Function			Option			
General						
Topology			High Frequency Isolation (Battery)			
IP Rating			IP65			
Cooling			Natural cooling			
Operating Temperature Range			-25°C-60°C			
Relative Humidity Range			0-100%			
Max. Operating Altitude			4000m			
Noise (Typical)			<35dB			
Dimensions (W*H*D,mm)			515*485*175mm			
Weight (kg)			25kg			
Display			LED&APP			
Communication			RS485,CAN, WIFI/4G(optional)			
Certification						
Safety			IEC/EN 62109-1/2, IEC/EN 61000-6-1/2/3/4, IEC 62477, IEC 62040-1			
Grid Code			VDE4105,EN 50549-1,CEI 0-21,NTS Version 2.1,UNE 217001:2020,UNE 217002:202,G99,AS4777.2,SAA,NRS 097-2-1			
Warranty			5 Years/10 Years(Optional)			

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



Hybrid PCS



Model	SCE5K-TH-EU		SCE6K-TH-EU		SCE8K-TH-EU		SCE10K-TH-EU	
Efficiency								
Max. Efficiency (PV to Grid)	98.2%				98.4%			
Max. Efficiency (Battery to Load)	98.0%							
PV								
Rated Input Voltage (V)	650V							
Max. Input Voltage (V)	1000V							
Max. Input Power (kW)	9.0kW		9.0kW		15.0kW		15.0kW	
Max. Input Current per MPPT(A)	15A/15A				20A/30A			
Max.Short Circuit Current per MPPT(A)	20A/20A				30A/40A			
No. of MPPTs	2							
No. of Strings per MPPT	1/1				1/2			
Start Input Voltage (V)	180V							
PV Operating Voltage Range (V)	160-950V							
Battery								
Battery Type	Lithium-ion/Lead-Acid							
Battery Voltage Range (V)	150-600V							
Max. Charge/Discharge Current (A)	25A/25A				50A/50A			
Max. Charge/Discharge Power (kW)	9.0kW/5.8kW		9.0kW/7.0kW		15kW/9.3kW		15kW/10.5kW	
Grid								
Max. Input Current	25.0A		25.0A		25.0A		25.0A	
Rated Output Apparent Power	5.0kVA		6.0kVA		8.0kVA		10.0kVA	
Max. Output Apparent Power	5.5kVA		6.6kVA		8.8kVA		11.0kVA	
Rated Output Voltage	380V/400V/415V							
Rated Grid Frequency	50Hz/60Hz							
THDI	<3%(Rated Power)							
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)							
EPS								
Max. Output Current (On Grid)	22.7A		22.7A		22.7A		22.7A	
Rated Output Apparent Power (Off Grid)	5.0kVA		6.0kVA		8.0kVA		10.0kVA	
Max. Output Apparent Power (Off Grid)	5.0kVA		6.0kVA		8.0kVA		10.0kVA	
Rated Output Voltage (V)	380V/400V							
Rated Output Frequency	50Hz/60Hz							
Max. Output Single Phase Apparent Power	2.5kVA							
THDV	<3%(Rated Power)							
Switching Time	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	Option							
RSD Function	Option							
General								
Topology	Transformerless							
IP Rating	IP65							
Cooling	Natural cooling							
Operating Temperature Range	-25°C-60°C							
Relative Humidity Range	0-100%							
Max. Operating Altitude	4000m							
Noise (Typical)	<30dB							
Dimensions (W*H*D,mm)	530*550*213mm							
Weight (kg)	29.6kg				32kg			
Display	LED&APP							
Communication	RS485,CAN, WIFI/4G(optional)							
Certification								
Safety	IEC/EN 62109-1/2, IEC/EN 61000-6-2/3, IEC 62477, IEC 61000-3-11/12, IEC 62040							
Grid Code	IEC 61727, IEC 62116, EN 50549-1, VDE 4105, AS 4777,CEI 0-21,G98							
Warranty	5 Years/10 Years(Optional)							

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Battery



Model	CPS ESSR-05KL1	CPS ESSR-10KL1	CPS ESSR-15KL1	CPS ESSR-20KL1
Rated Voltage	51.2V			
Operating Voltage Range	44.8~58.4V			
Max Current	50.0A	100.0A	120.0A	120.0A
Max Power	2.5kW	5.0kW	6.0kW	6.0kW
Rated Energy	5.1kWh	10.2kWh	15.4kWh	20.5kWh
Useable Battery Energy	5.1kWh	10.2kWh	15.4kWh	20.5kWh
DOD	100%			
Weight	≈63kg	≈109kg	≈155kg	≈202kg
Dimension (W*D*H)	≈670*178*650mm	≈670*178*1020mm	≈670*178*1390mm	≈670*178*1760mm
Product Parallel Extension	Up to 61.44kWh			
Operating Temperature	Charge: 0~50°C Discharge: -10~50°C			
Working Humidity	5~95%			
Protection	IP65			
Warranty	10 Years			
EOL	70%			
Communication	CAN			
Certificates	IEC 62619, IEC 63056, IEC 62040-1, IEC/UL 60730-1 annex H, CE EMC, EN 61000-6-1/3, VDE 2510-50, UKCA, UN 38.3			
Installation	Floor Mount & Wall Mount			

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

Model	CPS ESSR-05KH1	CPS ESSR-10KH1	CPS ESSR-15KH1	CPS ESSR-20KH1
Nominal 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 Current	37.0A			
Max Power	3.8kW	7.6kW	11.4kW	15.2kW
Rated Energy	5.1kWh	10.2kWh	15.4kWh	20.5kWh
Useable Battery Energy	5.1kWh	10.2kWh	15.4kWh	20.5kWh
DOD	100%			
Weight	≈63kg	≈109kg	≈155kg	≈202kg
Dimension (W*D*H)	≈800*178*650	≈800*178*1020	≈800*178*1390	≈800*178*1760
Product Parallel Extension	Up to 61.44kWh			
Operating Temperature	Charge: 0~50°C Discharge: -10~50°C			
Working Humidity	5~95%			
Protection	IP65			
Warranty	10 Years			
EOL	70%			
Communication	CAN			
Certificates	IEC 62619, IEC 63056, IEC 62040-1, CE EMC, EN 61000-6-1/3, IEC62477-1, VDE 2510-50, UKCA, UN 38.3			
Installation	Floor Mount & Wall Mount			

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PV Inverter



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. 6mm²)			
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 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

³ The certificates are for reference only.Please consult the local sales staff for detailed certification.



PV Inverter



Model Name	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	5KW		6KW	
Max. AC Power	5.5KVA		6KVA	
Rated AC Voltage	220/230V			
AC Voltage Range ¹	160 - 300V			
Grid Connection Type	L/N/PE			
Max. AC Current	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%	
Euro Efficiency	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. 6mm²)			
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 Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.

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PV Inverter



Model Name	CPS SCA5KTL-T1/EU	CPS SCA6KTL-T1/EU	CPS SCA8KTL-T1/EU	CPS SCA10KTL-T1/EU	CPS SCA15KTL-T1/EU	CPS SCA20KTL-T1/EU	CPS SCA25KTL-T1/EU
DC Input							
Max. DC Voltage				1100Vdc			
MPPT Operating Voltage Range				160 - 1000Vdc			
Start Voltage				180Vdc			
Rated DC Voltage				620Vdc			
Number of MPPT	2			2		2	
Number of DC Connection Sets per MPPT	1			2/1		2	
Max. input current per MPPT	15A			30A/15A		30A	
Max. DC short-circuit current per MPPT	20A			40A/20A		40A	
String Fuse	/						
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	11.2KVA	16.7kVA	22kVA	27.5kVA
Rated AC Voltage	380/400V						
AC Voltage Range¹	260 - 510V						
Grid Connection Type	3Φ / N / PE						
Max. AC Current	8.4A	10.1A	13.4A	16.8A	25.3A	33.7A	37A
Grid Frequency	50/60Hz						
Grid Frequency Range¹	45-55/55-65Hz						
Power Factor (cosφ)	>0.99(±0.8 adjustable)						
Current THD	< 3%						
AC Disconnection Type	/						
System Data							
Topology	Transformerless						
Max. Efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%	98.3%
Euro Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%
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	IP66						
Cooling Method	Natural Convection					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)	398 * 460 * 190mm						
Weight	23kg						
DC Connection Type	MC4 (Max. 6 mm²)						
AC Connection Type	OT/DT Terminal						
Safety							
Certifications²	EN/IEC 62109,IEC 61727,IEC61000-6-1/2/3/4,61000-3-2/3/11/12,EN 50549-1,UNE 217002: 2020,RD 647: 2020,UNE 217001: 2020,VDE 4105,CEI 0-21. AS4777.2,TOR Erzeuger Typ A						

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



PV Inverter



Model Name	CPS SCA30KTL-T1/EU
DC Input	
Max. DC Voltage	1000Vdc
MPPT Operating Voltage Range	180-950Vdc
Start Voltage	250Vdc
Rated DC Voltage	620Vdc
Number of MPPT	2
Number of DC Connection Sets per MPPT	3
Max. input current per MPPT	40.5A
Max. DC short-circuit current per MPPT	45A
String Fuse	20A
DC Disconnection Type	Integrated Switch
AC Output	
Rated AC Power	30kW
Max. AC Power	33kVA
Rated AC Voltage	380/400V
AC Voltage Range ¹	277 - 520V
Grid Connection Type	3Φ / N / PE
Max. AC Current	48A
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	20A
System Data	
Topology	Transformerless
Max. Efficiency	98.6%
Euro Efficiency	98.3%
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	/
Environment Data	
Ingress Protection	IP65
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)	555 * 446 * 270mm
Weight	40kg
DC Connection Type	MC4 (Max. 6 mm²)
AC Connection Type	OT/DT Terminal(Max. 35 mm²)
Safety	
Certifications ²	EN/IEC 62109, IEC 61727, IEC 61000-6, EN 50549-1, RD 1699, UNE 217001, VDE 4105, CEI 0-21, AS4777.2, TOR Erzeuger Typ A

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.

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PV Inverter



Model Name	CPS SCA50KTL-T/EU		CPS SCA60KTL-T/EU
DC Input			
Max. DC Voltage	1100Vdc		
MPPT Operating Voltage Range	200-1000Vdc		
Start Voltage	250Vdc		
Rated DC Voltage	620Vdc		
Number of MPPT	4		4
Number of DC Connection Sets per MPPT	3/3/2/2		3
Max. input current per MPPT	39A/39A/26A/26A		39A
Max. DC short-circuit current per MPPT	45A/45A/30A/30A		45A
String Fuse	20A		
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	50kW		60kW
Max. AC Power	55kVA		66kVA
Rated AC Voltage	380/400V		
AC Voltage Range¹	277-520V		
Grid Connection Type	3Φ / N / PE		
Max. AC Current	76A		92A
Grid Frequency	50/60Hz		
Grid Frequency Range¹	45-55/55-65Hz		
Power Factor (cosφ)	>0.99(±0.8 adjustable)		
Current THD	< 3%		
AC Disconnection Type	20A		
System Data			
Topology	Transformerless		
Max. Efficiency	99.0%		
Euro Efficiency	98.5%		
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	/		
Environment Data			
Ingress Protection	IP65		
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)	855 * 555 * 275mm		
Weight	73kg		74kg
DC Connection Type	MC4 (Max. 6mm²)		
AC Connection Type	OT/DT Terminal (Max. 50mm²)		
Safety			
Certifications²	EN 61000-6,EN/IEC 62109,IEC 61727,IEC 62116,IEC 60068,IEC 61683,EN 50549-1/2,CEI 0-21,CEI 0-16,G99 Type A/B,UTE C15-712-1,TOR Erzeuger Typ A,UNE 217002&RD1699,UNE 217001		

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



PV Inverter



Model Name	CPS SCA110KTL-DO/EU	CPS SCA110KTL-DO/EU2
DC Input		
Max. DC Voltage	1100Vdc	
MPPT Operating Voltage Range	200-1000Vdc	
Start Voltage	300Vdc/100W	
Rated DC Voltage	620V	
Number of MPPT	9	12
Number of DC Connection Sets per MPPT	2	1
Max. input current per MPPT	26A	26A
Max. DC short-circuit current per MPPT	40A	
String Fuse	/	
DC Disconnection Type	Integrated Switch	
AC Output		
Rated AC Power	100kW	
Max. AC Power	110kVA	
Rated AC Voltage	380/400V	
AC Voltage Range ¹	322-528Vac	
Grid Connection Type	3Φ / N / PE	
Max. AC Current	160A	
Grid Frequency	50/60Hz	
Grid Frequency Range ¹	47-53/57-63Hz	
Power Factor (cosφ)	>0.99(±0.8 adjustable)	
Current THD	< 3%	
AC Disconnection Type	/	
System Data		
Topology	Transformerless	
Max. Efficiency	98.8%	
Euro Efficiency	98.4%	
Consumption at Night	< 6W	
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	/	
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	86kg	
DC Connection Type	MC4 (Max. 6 mm²)	
AC Connection Type	OT/DT Terminal (Max. 120 mm²)	
Safety		
Certifications²	IEC61000-6,IEC/EN 62109,IEC61727/62116/61683/60068,EN50549	

¹ "AC Voltage Range" and "Grid Frequency Range" may be differ according to specific grid codes.

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CHNT**CHINT POWER****PV Inverter**

Model Name	SCA120K-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	120kW		125kW	
Max. AC Power	132kVA		125kVA	
Rated AC Voltage			380 / 400V	
AC Voltage Range			322 - 528V	
Grid Connection Type			3Φ / N / PE	
Max. AC Current	201A		190A	
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			98.80%	
Euro Efficiency			98.40%	
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			/	
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)			1150 * 616 * 250mm	
Weight			85kg	
DC Connection Type			MC4 (Max. 6 mm²)	
AC Connection Type			OT/DT Terminal(Max.120 mm²)	
Safety				
Certifications¹			IEC 62109-1/2,IEC 61000-6-2/4,EN 50549-1/2,PORTARIA N° 140(only for 75kW)	

^{*1} The certificates are for reference only. Please consult the local sales staff for detailed certification.



PV Inverter



Model Name	CPS SCH275KTL-DO/EU		
DC Input			
Max. DC Voltage	1500Vdc		
MPPT Operating Voltage Range	500-1450Vdc		
Start Voltage	550Vdc		
Rated DC Voltage	1190Vdc		
Number of MPPT	12		6
Number of DC Connection Sets per MPPT	2		3
Max. input current per MPPT	30A		60A
Max. DC short-circuit current per MPPT	50A		90A
String Fuse	/		25A
DC Disconnection Type	Integrated Switch		
AC Output			
Rated AC Power	275kW		
Max. AC Power	275kVA		
Rated AC Voltage	800V		
AC Voltage Range ¹	680 - 880Vac		
Grid Connection Type	3Φ / PE(IT system ³)		
Max. AC Current	180.4A / 198.5A		
Grid Frequency	50/60Hz		
Grid Frequency Range ¹	47-53/57-63Hz		
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	< 6W		
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	/		
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	PLC / Wi-Fi / RS485(Standard) & 4G (Optional)		
Mechanical Data			
Dimensions (W*H*D)	1100 * 680 * 337mm		
Weight	105kg		
DC Connection Type	MC4 (Max. 6mm²)		
AC Connection Type	OT/DT Terminal (Max. 300mm²)		
Safety			
Certifications ²	IEC61000-6,IEC/EN 62109,IEC61727/62116/61683/60068,EN50549,NC RfG		

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

³ Transformer compatibility: this model only supports connection with IT systems, not compatible with TN/TT systems.