

CHNT

CHINT POWER

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.