

Model Name	CPS SCA20KTL-DO	CPS SCA25KTL-DO
<b>DC Input</b>		
Nominal DC Input Power	21kW	26kW
Max. DC Input Power for each MPPT	12kW	14kW
Max. DC Input Voltage	1000Vdc	
Operating DC Input Voltage Range	300-900Vdc	
Start-up DC Input Voltage / Power	330V/300W	
Nominal DC Input Voltage	635Vdc	
Number of MPP Trackers	2	
MPPT Voltage Range	400-800Vdc	
Max. Input Current	2x27A	2x32A
Number of DC Inputs	4 strings x 2	
DC Disconnection Type	Integrated DC switch	
<b>AC Output</b>		
Rated AC Output Power	20kW	25kW
Max. AC Output Power	20kVA	25kVA
Rated Output Voltage	230/400Vac	
Output Voltage Range*	320-460Vac	
Grid Connection Type	3Φ/N/PE	3Φ/N/PE
Max AC Output Current	32A	40A
Rated Output Frequency	50Hz/60Hz	
Output Frequency Range*	47-53Hz/57-63Hz	
Power Factor	>0.99 (±0.8 adjustable)	
Current THD	<3%	
AC Inrush Current	99A Peak/203us	149A Peak/211us
Maximum Output Fault Current	L-N/PE:100A Peak@320ms;56.6A RMS@20ms; L1/L2/L3 158A Peak@992ms; 70.4A RMS@20ms	
<b>System</b>		
Topology	Transformerless	
Max. Efficiency	98.4%	
Euro Efficiency	98.0%	
Stand-by / Night Consumption	<20W/<2W	
Protective Class	I	
Overvoltage Category	PV(II), Mains(III)	
<b>Environment</b>		
Protection Degree	IP65	
Cooling	Variable speed cooling fans	
Operating Temperature Range	- 25°C to +60°C (derating from +45°C)	
Operating Humidity	0-100%, non-condensing	
Operating Altitude	4000m (derating from 2000m)	
<b>Display and Communication</b>		
Display	LCD+LED	
Communication	Standard: RS485	
<b>Mechanical Data</b>		
Dimensions (WxHxD) (mm)	600x1000x230	
Weight (kg)	50 (Inverter)+5 (Wiring Box)	
<b>Safety</b>		
Safety and EMC Standard	LVD: 2006/95/EC EMC: 2004/108/EC, IEC/EN 62109-1: 2010, IEC/EN 62109-2: 2011; IEC/EN61000-6-2: 2005, IEC/EN61000-6-3: 2007	
Grid Standard	BDEW; VDE AR-N-4105/VDE 0126-1-1/A1; G83/1/1; G59/2; C10/11; NB/T32004; GB/T19964; NRS097;MEA	

\* The "Output Voltage Range" and "Output Frequency Range" may differ according to specific grid codes.

\* MAX recommended PV array power ≤ 1.3P(P for Rated AC output power), PV array power range depend on the type of installation and geographical location.