

Outdoor Grid-Tie PV Inverter



CPS SC series Grid-tie PV inverters SC4.0KTL-O, SC4.6KTL-O and SC10KTL-O (three phases) can be flexibly utilized in different types of residential rooftops, commercial rooftops and some utility systems. 96% and above high efficiency benefits customers with long term electricity generation return.

SC10KTL-O's unique integrated datalogger makes the communication between inverter and upper monitoring system efficient. Convection (no fan required) design, comprehensive protection functions and advanced thermal design enable the whole system high reliability. The friendly interface and plug & play features make the installation and maintenance easy and fast.

Robust

- Convection (no fan required)
- Internal GFCI
- Comprehensive protection functions

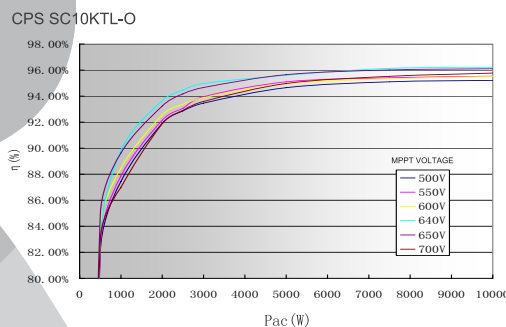
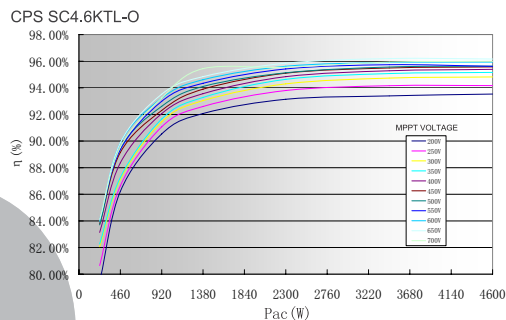
Flexible

- Transformerless design
- Plug & Play
- 1 to 3 MPP Trackers
- IP65, Outdoor
- Optional DC-Switch

Smart

- Real-time monitoring
- Integrated Datalogger (SC10KTL-O)
- Multi-language

Efficiency Curve



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Technical Data

Catalogue No.	CPS SC4.0KTL-O	CPS SC4.6KTL-O	CPS SC10KTL-O
DC Input			
Max. DC Voltage	500Vdc	750Vdc	800Vdc
MPPT Voltage Range	150~450Vdc	125~700Vdc	320~720Vdc
Max. DC Power	4630W	3800W per Tracker	5500W per Tracker
Max. Input Current	20Adc	8.5Adc per Tracker	13Adc per Tracker
MPP Tracker	1	3	3
AC Output			
Output Power	4000W	4600W	10000W
Grid Voltage	184~264.5Vac	196~253Vac	400V×3, -15%+10%
Nominal Grid Frequency	50/60Hz	50/60Hz	50/60Hz
Current THD	3%	3%	3%
Power Factor	~1	~1	~1
AC Connection	Single-phase	Single-phase	Three-phase
System			
Max. Efficiency	>96%	>96%	>96.5%
Euro Efficiency	>95%	>94.5%	>95%
Protection Degree	IP65	IP65	Housing:IP65
Stand-by Consumption	~7W	~9W	~30W
Operating Temperature Range	-20°C ~ +55°C	-20°C ~ +55°C	-20°C ~ +55°C
Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, Force air cooling, variable fan speed
Display and Communication			
Display	LCD/1 Line, 16Char.	LCD/2 Line, 32Char.	128×64Graphic Display
Communication	Standard RS232, Optional RS485		
Mechanical Data			
Height (mm)	389.5	534.5	583
Width (mm)	439.6	435.8	453.2
Depth (mm)	137	133	155
Weight(kg)	20	28	37

Please follow local regulatory electrical codes for installation. If in doubt, consult appropriate licensed contractor.

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