

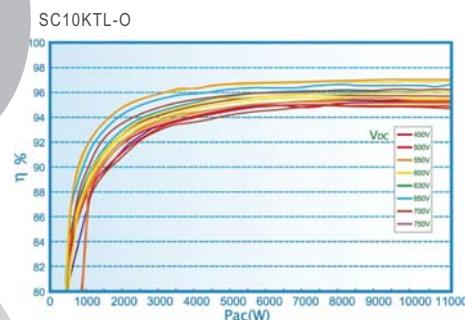
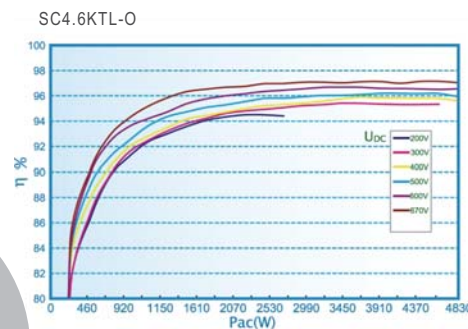


Outdoor Grid-Tie PV Inverters

CPS SC series Grid-tied 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.

Efficiency Curve



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 (10kW)
- Multi-language



Technical Data

	CPS SC4.0KTL-O	CPS SC4.6KTL-O	CPS SC10KTL-O
DC INPUT			
Nominal DC voltage	400V DC	600V DC	640V DC
Max. DC voltage	500V DC	750V DC	800V DC
MPPT Range	150~450V DC	125~700V DC	320~720V DC
Working Range	100~500V DC	100~750V DC	200~800V DC
Max. DC Power	4630W	3800W per Tracker	5500W per Tracker
Max. Input current	20 ADC	8.5 ADC per Tracker	13 ADC per Tracker
MPP Tracker	1	3	3
AC OUTPUT			
Output Power	4000W	4600W	10000W
Max. Power	4400W	5100W	11000W
Operating Voltage	184~264.5V AC	196~253V AC	400V×3, -15%+10%
Operating Frequency	50/60Hz	50/60Hz	50/60Hz
Current THD	3%	3%	3%
Power Factor	~1	~1	~1
SYSTEM			
Max. Efficiency	>96%	96%	>96.5%
Euro Efficiency	>95%	94.50%	>95%
Protection Degree	IP65	IP65	Housing: IP65
Operating Temp.	-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
Stand-by Power	~7W	~9W	~30W
Acoustic Noise level	<35dBA	<35dBA	<47dBA
Comm. Interfaces	Standard RS232, Optional RS485		
Display	LCD/1 Line,16Char.	LCD/2 Line,32Char.	128×64Graphic Display
MECHANICAL DATA			
W×D×H(mm)	434×386×135	430×530×130	585×454×152
Weight(kg)	19.5kg	27kg	34kg

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

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