

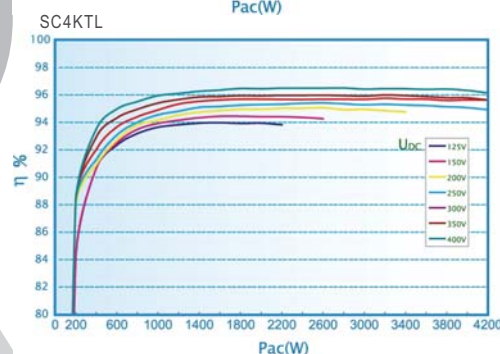
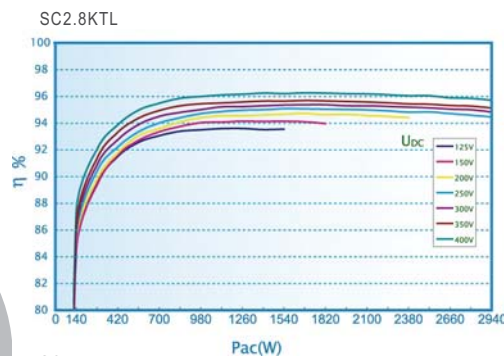


# Indoor Grid-Tie PV Inverters

CPS SC series Grid-tied PV inverter SC1.5KTL, SC2.0KTL, SC2.8KTL and SC4.0KTL 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.

Convection (no fan required) design, comprehensive protection functions and advanced thermal design enable the whole system high reliability. The convection design, 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
- Easy operation
- Broad MPPT range

### Smart

- Local/Remote monitoring access
- Real-time monitoring
- Powerful Communication Interfaces



**Technical Data**

	CPS SC1.5KTL	CPS SC2.0KTL	CPS SC2.8KTL	CPS SC4.0KTL
<b>DC INPUT</b>				
Nominal DC voltage	360V DC	400V DC	400V DC	400V DC
Max. DC voltage	450V DC	500V DC	500V DC	500V DC
MPPT Range	150~405V DC	150~450V DC	150~450V DC	150~450V DC
Working Range	100~450V DC	100~500V DC	100~500V DC	100~500V DC
Max. DC Power	1760W	2320W	3180W	4630W
Max. Input current	8.9A DC	10A DC	13A DC	20A DC
MPP Tracker	1	1	1	1
<b>AC OUTPUT</b>				
Output Power	1500W	2000W	2800W	4000W
Max. Power	1650W	2200W	3000W	4400W
Operating Voltage	184~264.5V AC	184~264.5V AC	184~264.5V AC	184~264.5V AC
Operating Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Current THD	<3%	<3%	<3%	<3%
Power Factor	~1	~1	~1	~1
<b>SYSTEM</b>				
Max. Efficiency	>95%	>96%	>96%	>96%
Euro Efficiency	>94%	>95%	>95%	>95%
Protection Degree	IP43	IP43	IP43	IP43
Operating Temp.	-20° C~+55° C	-20° C~+55° C	-20° C~+55° C	-20° C~+55° C
Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing
Stand-by Power	~7W	~7W	~7W	~7W
Acoustic Noise level	<35dBA	<35dBA	<35dBA	<35dBA
Comm. Interfaces	Standard RS232, Optional RS485			
Display	LCD/1 Line,16Char.			
<b>MECHANICAL DATA</b>				
W×D×H(mm)	315×269×120	350×302×120	350×302×136	424×366×120
Weight(kg)	9.2kg	11.5kg	12.5kg	16.4kg

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

Information furnished is believed to be accurate and reliable. However, Chint Power Systems assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Chint Power Systems. Specifications mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied.