



CHNT

THE PROFESSIONALS' CHOICE

Indoor Grid-Tie PV Inverter



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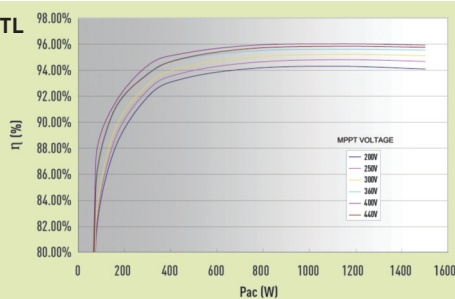
Chint Grid-Tie Inverters operate at above 96% efficiency.

The advanced Transformerless, Plug and Play design and Installation Mounting Plate ensure quick and simple installation.

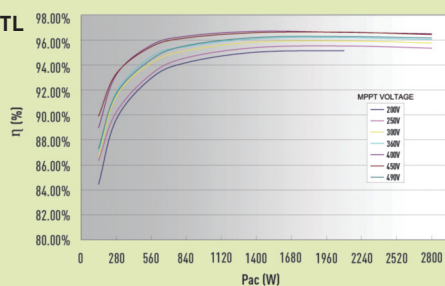
Convection (no fan required) design, comprehensive protection functions and advanced thermal design enable high reliability.

Efficiency Curve

CPS SC1.5KTL



CPS SC2.8KTL



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



reddot design award
honourable mention 2011



Specifications and designs included in this leaflet are subject to change without notice.

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CPS SC Series

INDOOR GRID-TIE PV INVERTER

Catalogue No.	CPS SC1.5KTL	CPS SC2.0KTL	CPS SC2.8KTL	CPS SC4.0KTL
DC INPUT				
Max. DC Voltage	450 Vdc	500Vdc	500 Vdc	500 Vdc
MPPT Voltage Range	150~405 Vdc	150~450 Vdc	150~450 Vdc	150~450 Vdc
Max. DC Power	1760 W	2320 W	3180 W	4630 W
Max. Input Current	8.9 Adc	10 Adc	13 Adc	20 Adc
MPP Tracker	1	1	1	1

AC OUTPUT					
Output Power		1500 W	2000 W	2800 W	4000W
Grid Voltage	VDE	184~264.5 Vac	184~264.5 Vac	184~264.5 Vac	184~264.5 Vac
	G83/1	207~264.5 Vac	207~264.5 Vac	207~264.5 Vac	207~264.5 Vac
Nominal Grid Frequency		50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Current THD		<3%	<3%	<3%	<3%
Power Factor		~1	~1	~1	~1
AC Connection		Single-phase	Single-phase	Single-phase	Single-phase

SYSTEM				
Max.Efficiency	>95 %	>96 %	>96 %	>96 %
Euro Efficiency	>94 %	>95 %	>95 %	>95 %
Protection Degree	IP43	IP43	IP43	IP43
Stand-by Consumption	~7 W	~7 W	~7 W	~7 W
Operating Temperature Range	-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

DISPLAY AND COMMUNICATION

Display	LCD/1 Line, 16 Characters
Communication	Standard RS232, Optional RS485

MECHANICAL DATA

Height (mm)	271	304	304	369.3
Width (mm)	320.4	355.4	355.4	429.4
Depth (mm)	125.5	125	135	125.5
Weight (kg)	10	13	13.5	18

It is strongly recommended that Electrical Equipment is installed by Professionally trained Installation Engineers.

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