



Product Service

Compliance Document

No. D 084937 0036 Rev. 00

Holder of Certificate: **Canadian Solar Inc.**
545 Speedvale Ave West
Guelph Ontario N1K1E6
CANADA

Product: **Converter**
Grid-Tied Inverter

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. See also notes overleaf.

Test report no.: 701261904402-00

Date, 2019-12-27


(Zhengdong Ma)

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Model(s): CSI-50KTL-GI, CSI-50KTL-GI-HFL,
CSI-60KTL-GI-H, CSI-60KTL-GI

Parameters:

| Model | CSI-50KTL-GI | CSI-60KTL-GI | CSI-50KTL-GI-HFL | CSI-60KTL-GI-H |
|---------------------------------|--------------------|--------------|------------------|----------------|
| PV input | | | | |
| Max. input voltage: | d.c. 1100 V | | | |
| MPP voltage range: | d.c. 200-1000 V | | | |
| Max. input current: | 4 x 28.5 A | 4 x 28.5 A | 4 x 22 A | 4 x 28.5 A |
| Isc PV (absolute maximum): | 4 x 44.5 A | 4 x 44.5 A | 4 x 34.3 A | 4 x 44.5 A |
| AC output | | | | |
| Rated grid voltage: | 3N~ 400/230V | 3N~ 400/230V | 3~ 480V | 3~ 480V |
| Rated grid frequency: | 50/60Hz | | | |
| Rated output power: | 50000 W | 60000 W | 50000 W | 60000 W |
| Max. AC output active power: | 55000 W | 66000 W | 55000 W | 66000 W |
| Max. AC output apparent power: | 55000 VA | 66000 VA | 55000 VA | 66000 VA |
| Max. continuous output current: | 83.3 A | 100 A | 66.2 A | 80A |
| Adjustable cos(ϕ): | -0.8... 1... +0.8 | | | |
| Protection class: | I | | | |
| Degree of protection: | IP65 | | | |
| Overvoltage category: | II(PV), III(MAINS) | | | |
| Ambient temperature: | -25 ... +60°C | | | |

Tested according to:

IEC 61727(ed.2)
IEC 62116(ed.2)
IEC 61683(ed.1)
EN 50530:2010/A1:2013
IEC 60068-2-1(ed.6)
IEC 60068-2-2(ed.5)
IEC 60068-2-14(ed.6)
IEC 60068-2-27(ed.4)
IEC 60068-2-30(ed.3)
IEC 60068-2-64(ed.2)