

Compliance Document

No. D 077831 0018 Rev. 02

Holder of Certificate: **Guangzhou Sanjing Electric Co., Ltd.**
No.9, Lizhishan Road, Science City
510663 Guangzhou High-tech Zone, Guangdong
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Hybrid Solar Inverter)

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Test report no.: 64290203078403

Date, 2023-04-28



(Billy Qiu)

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Model(s): H1-3K-S2, H1-3.6K-S2, H1-4K-S2,
 H1-4.6K-LS2, H1-5K-LS2, H1-6K-LS2,
 H1-4.6K-S2, H1-5K-S2, H1-6K-S2,
 H1-3K-S2-15, H1-3.6K-S2-15, H1-4K-S2-15,
 H1-4.6K-S2-15, H1-5K-S2-15, H1-6K-S2-15,
 H1-6K-S2-15-IE

Parameters:

| Model: | H1-3K-S2 | H1-3.6K-S2 | H1-4K-S2 |
|-----------------------------------|---------------------------------------|------------|------------|
| PV input parameter | | | |
| Input voltage range | 80~600 Vd.c. | | |
| Maximum input voltage | 600 Vd.c. | | |
| Maximum input current | 12.5*2 Ad.c. | | |
| PV I _{sc} | 15*2 Ad.c. | | |
| Battery input/output parameter | | | |
| Input voltage range | 42~58.4 Vd.c. | | |
| Maximum input/output voltage | 58.4 Vd.c. | | |
| Maximum input/output current | 60 Ad.c. | | |
| Grid parameter | | | |
| Rated output voltage | 230 Va.c. | | |
| Rated output frequency | 50 Hz | | |
| Rated output current | 13.1 Aa.c. | 16.0 Aa.c. | 17.4 Aa.c. |
| Maximum continuous output current | 13.6 Aa.c. | 16.7 Aa.c. | 18.2 Aa.c. |
| Rated output active power | 3 kW | 3.68 kW | 4 kW |
| Power factor | 0.9 under-excited to 0.9 over-excited | | |

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| Model: | H1-4.6K-LS2 | H1-5K-LS2 | H1-6K-LS2 |
|-----------------------------------|---------------------------------------|------------|------------|
| PV input parameter | | | |
| Input voltage range | 80~600 Vd.c. | | |
| Maximum input voltage | 600 Vd.c. | | |
| Maximum input current | 12.5*2 Ad.c. | | |
| PV I _{SC} | 15*2 Ad.c. | | |
| Battery input/output parameter | | | |
| Input voltage range | 42~58.4 Vd.c. | | |
| Maximum input/output voltage | 58.4 Vd.c. | | |
| Maximum input/output current | 60 Ad.c. | | |
| Grid parameter | | | |
| Rated output voltage | 230 Va.c. | | |
| Rated output frequency | 50 Hz | | |
| Rated output current | 20.0 Aa.c. | 21.8 Aa.c. | 26.1 Aa.c. |
| Maximum continuous output current | 20.9 Aa.c. | 22.7 Aa.c. | 27.3 Aa.c. |
| Rated output active power | 4.6 kW | 5 kW | 6 kW |
| Power factor | 0.9 under-excited to 0.9 over-excited | | |

| Model: | H1-4.6K-S2 | H1-5K-S2 | H1-6K-S2 |
|-----------------------------------|---------------------------------------|------------|------------|
| PV input parameter | | | |
| Input voltage range | 80~600 Vd.c. | | |
| Maximum input voltage | 600 Vd.c. | | |
| Maximum input current | 12.5*2 Ad.c. | | |
| PV I _{SC} | 15*2 Ad.c. | | |
| Battery input/output parameter | | | |
| Input voltage range | 42~58.4 Vd.c. | | |
| Maximum input/output voltage | 58.4 Vd.c. | | |
| Maximum input/output current | 100 Ad.c. | | |
| Grid parameter | | | |
| Rated output voltage | 230 Va.c. | | |
| Rated output frequency | 50 Hz | | |
| Rated output current | 20.0 Aa.c. | 21.8 Aa.c. | 26.1 Aa.c. |
| Maximum continuous output current | 20.9 Aa.c. | 22.7 Aa.c. | 27.3 Aa.c. |
| Rated output active power | 4.6 kW | 5 kW | 6 kW |
| Power factor | 0.9 under-excited to 0.9 over-excited | | |

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| | | | |
|-----------------------------------|---------------------------------------|---------------|-------------|
| Model: | H1-3K-S2-15 | H1-3.6K-S2-15 | H1-4K-S2-15 |
| PV input parameter | | | |
| Input voltage range | 80~600 Vd.c. | | |
| Maximum input voltage | 600 Vd.c. | | |
| Maximum input current | 15*2 Ad.c. | | |
| PV I _{SC} | 18*2 Ad.c. | | |
| Battery input/output parameter | | | |
| Input voltage range | 42~58.4 Vd.c. | | |
| Maximum input/output voltage | 58.4 Vd.c. | | |
| Maximum input/output current | 60 Ad.c. | | |
| Grid parameter | | | |
| Rated output voltage | 230 Va.c. | | |
| Rated output frequency | 50 Hz | | |
| Rated output current | 13.1 Aa.c. | 16.0 Aa.c. | 17.4 Aa.c. |
| Maximum continuous output current | 13.6 Aa.c. | 16.7 Aa.c. | 18.2 Aa.c. |
| Rated output active power | 3 kW | 3.68 kW | 4 kW |
| Power factor | 0.9 under-excited to 0.9 over-excited | | |

| | | | | |
|-----------------------------------|---------------------------------------|-------------|-------------|----------------|
| Model: | H1-4.6K-S2-15 | H1-5K-S2-15 | H1-6K-S2-15 | H1-6K-S2-15-IE |
| PV input parameter | | | | |
| Input voltage range | 80~600 Vd.c. | | | |
| Maximum input voltage | 600 Vd.c. | | | |
| Maximum input current | 15*2 Ad.c. | | | |
| PV I _{SC} | 18*2 Ad.c. | | | |
| Battery input/output parameter | | | | |
| Input voltage range | 42~58.4 Vd.c. | | | |
| Maximum input/output voltage | 58.4 Vd.c. | | | |
| Maximum input/output current | 100.0 Ad.c. | | | |
| Grid parameter | | | | |
| Rated output voltage | 230 Va.c. | | | |
| Rated output frequency | 50 Hz | | | |
| Rated output current | 20.0 Aa.c. | 21.8 Aa.c. | 26.1 Aa.c. | 25.0 Aa.c. |
| Maximum continuous output current | 20.9 Aa.c. | 22.7 Aa.c. | 27.3 Aa.c. | 25.0 Aa.c. |
| Rated output active power | 4.6 kW | 5.0 kW | 6.0 kW | 5.5 kW |
| Power factor | 0.9 under-excited to 0.9 over-excited | | | |



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**Tested
according to:**

EN 50549-1:2019/AC:2019