



**BUREAU
VERITAS**

Certificate of compliance

Applicant: **Ginlong Technologies Co., Ltd.**
No.57 Jintong Road, Binhai Industrial Park, Xiangshan, 315712 Ningbo, Zhejiang,
PEOPLE'S REPUBLIC OF CHINA

Product: **Photovoltaic (PV) inverter**

Model: **S5-GC15K-LV**
S5-GC20K-LV
S5-GC50K-HV

Use in accordance with regulations:

The inverters are tested according the IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000 procedure for measuring efficiency.

Applied rules and standards:

IEC 61683:1999, EN 61683:2000, DIN EN 61683:2000

Photovoltaic systems – Power conditioners – Procedure for measuring efficiency

At the time of issue of this certificate the safety concept of an aforementioned representative product corresponds to the valid safety specifications for the specified use in accordance with regulations.

Report number: **CCCV-ESH-P22111439**

Certification program: **NSOP-0032-DEU-ZE-V01**

Certificate number: **U22-0770**

Date of issue: **2022-12-19**

Certification body

Alf Assenkamp



Certification body of Bureau Veritas Consumer Products Services Germany GmbH accredited according to DIN EN ISO/IEC 17065

A partial representation of the certificate requires the written approval of Bureau Veritas Consumer Products Services Germany GmbH

Measuring of efficiency

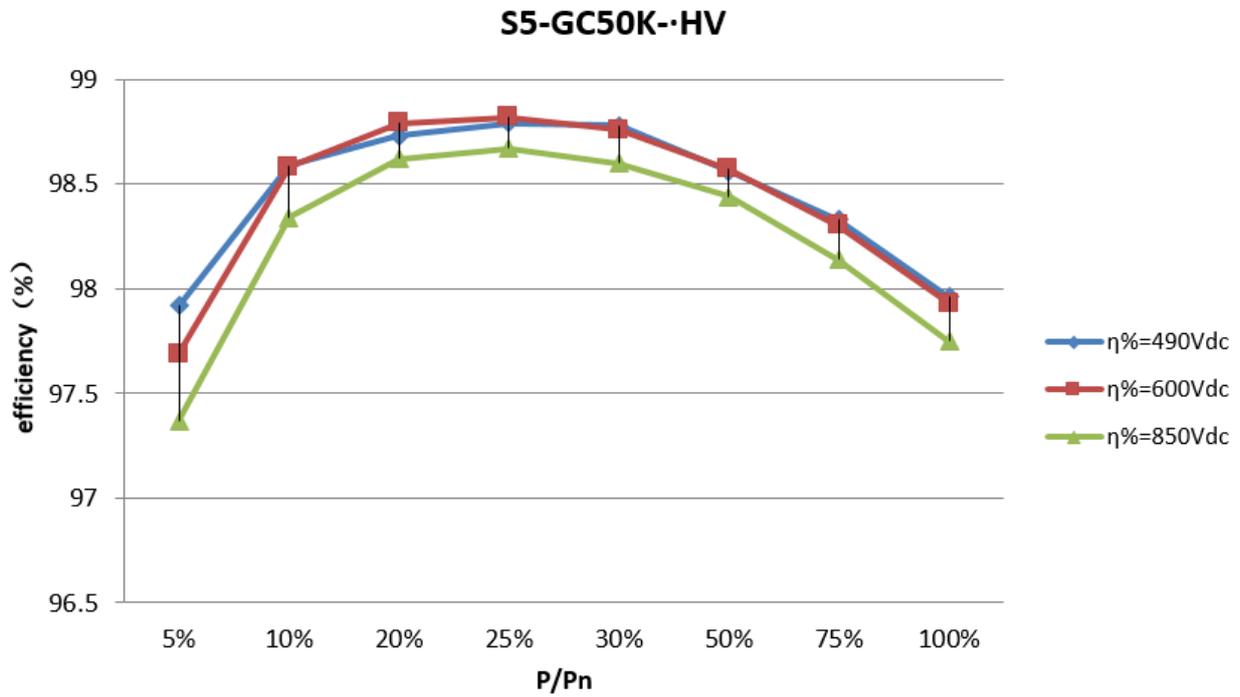
Extract from test report according the IEC 61683

Nr. CCCV-ESH-P22111439

Efficiency measurement conditions test results

S5-GC50K-HV

| Input voltage [Vdc] | | Power Level | | | | | | | |
|-----------------------------------|-----|-------------|-------|-------|--------|-------|-------|--------|-------|
| | | 5% | 10% | 20% | 25% | 30% | 50% | 75% | 100% |
| | | 2,5KW | 5KW | 10KW | 12,5KW | 15KW | 25KW | 37,5KW | 50KW |
| V_{min} | 490 | 97,92 | 98,59 | 98,73 | 98,79 | 98,78 | 98,56 | 98,33 | 97,96 |
| V_{nominal} | 600 | 97,69 | 98,58 | 98,79 | 98,82 | 98,76 | 98,57 | 98,30 | 97,93 |
| V_{max} (90% MPPT) | 850 | 97,37 | 98,34 | 98,62 | 98,67 | 98,60 | 98,44 | 98,14 | 97,75 |



Internal power consumption via auxiliary input in standby : 0,5W (Input: 0V, 0A; Output: 220V, 2,17mA)

Internal power consumption via auxiliary input at maximum output power : 1,4W

Measuring of efficiency

Extract from test report according the IEC 61683

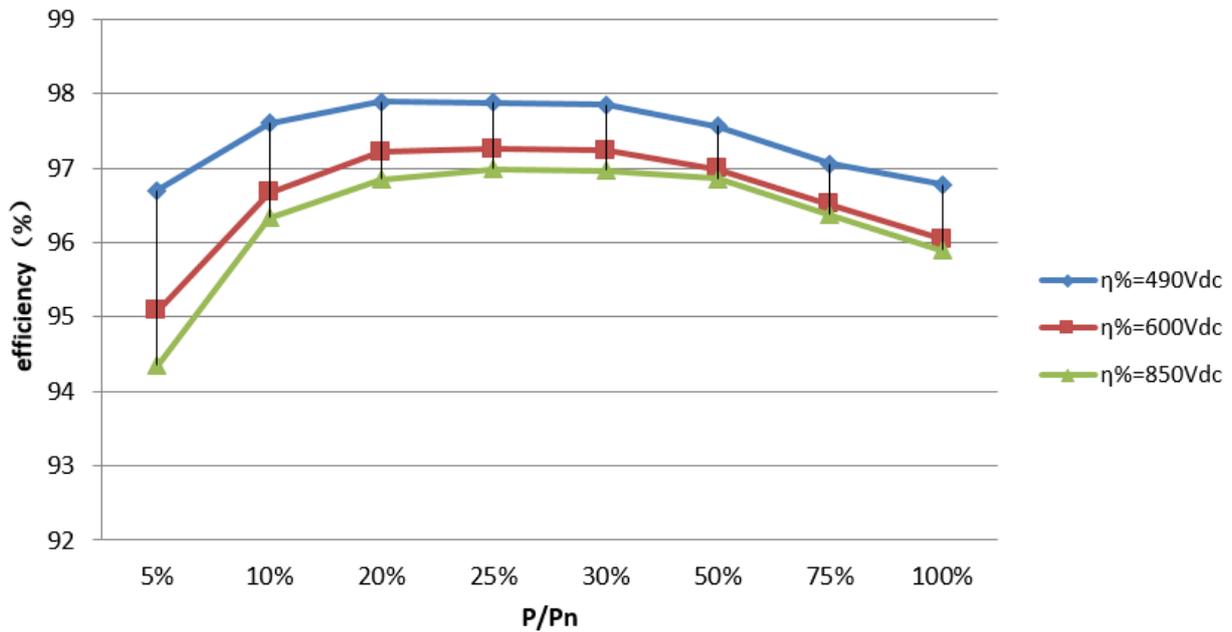
Nr. CCCV-ESH-P22111439

Efficiency measurement conditions test results

S5-GC20K-LV

| Input voltage [Vdc] | | Power Level | | | | | | | |
|-----------------------------------|-----|-------------|-------|-------|-------|-------|-------|-------|-------|
| | | 5% | 10% | 20% | 25% | 30% | 50% | 75% | 100% |
| | | 1KW | 2KW | 4KW | 5KW | 6KW | 10KW | 15KW | 20KW |
| V_{min} | 340 | 96,70 | 97,60 | 97,89 | 97,88 | 97,85 | 97,56 | 97,05 | 96,78 |
| V_{nominal} | 600 | 95,08 | 96,67 | 97,21 | 97,25 | 97,23 | 96,99 | 96,51 | 96,04 |
| V_{max} (90% MPPT) | 680 | 94,35 | 96,33 | 96,85 | 96,99 | 96,97 | 96,86 | 96,37 | 95,89 |

S5-GC20K-LV



Internal power consumption via auxiliary input in standby : 0,5W (Input: 0V, 0A; Output: 220V, 2,17mA)

Internal power consumption via auxiliary input at maximum output power : 1,4W

Measuring of efficiency

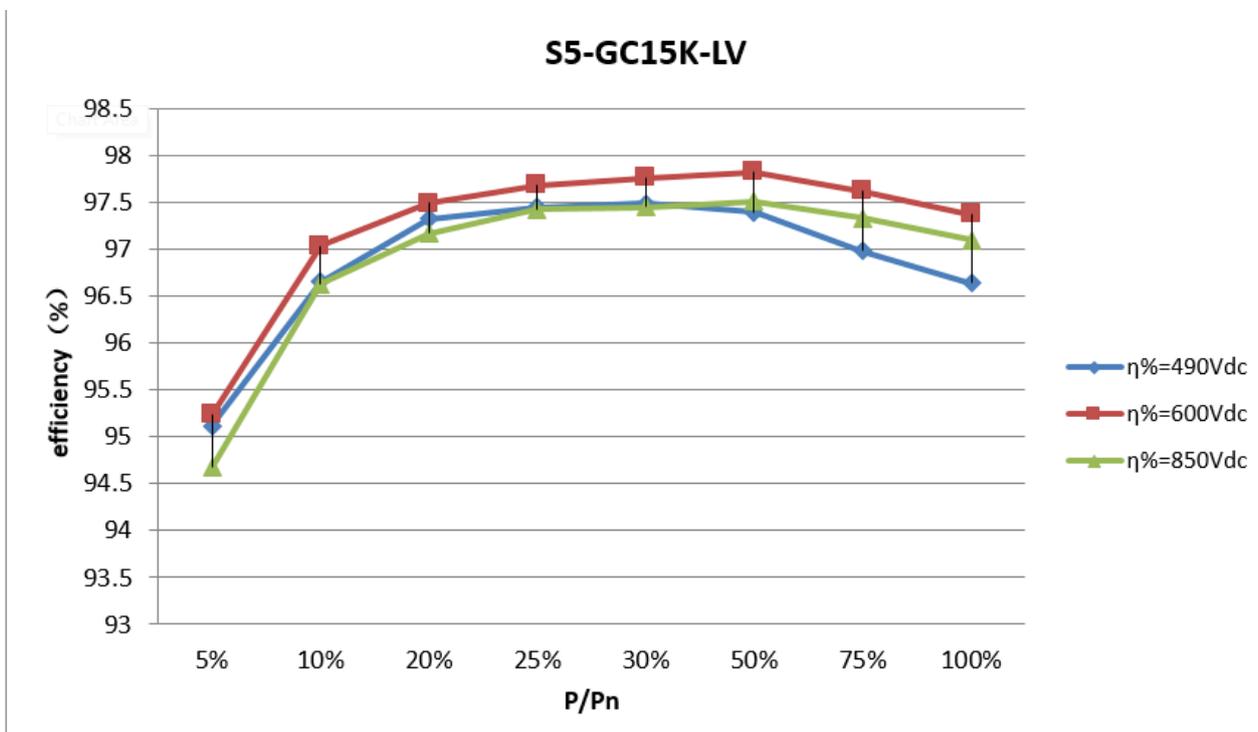
Extract from test report according the IEC 61683

Nr. CCCV-ESH-P22111439

Efficiency measurement conditions test results

S5-GC15K-LV

| Input voltage [Vdc] | | Power Level | | | | | | | |
|-----------------------------------|-----|-------------|-------|-------|--------|-------|-------|---------|-------|
| | | 5% | 10% | 20% | 25% | 30% | 50% | 75% | 100% |
| | | 0,75KW | 1,5KW | 3KW | 3,75KW | 4,5KW | 7,5KW | 11,25KW | 15KW |
| V_{min} | 260 | 95,12 | 96,65 | 97,32 | 97,45 | 97,49 | 97,39 | 96,98 | 96,64 |
| V_{nominal} | 600 | 95,23 | 97,03 | 97,49 | 97,68 | 97,76 | 97,82 | 97,62 | 97,37 |
| V_{max} (90% MPPT) | 680 | 94,67 | 96,63 | 97,17 | 97,42 | 97,45 | 97,51 | 97,33 | 97,10 |



Internal power consumption via auxiliary input in standby : 0,5W (Input: 0V, 0A; Output: 220V, 2,17mA)
 Internal power consumption via auxiliary input at maximum output power : 1,4W