



**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**

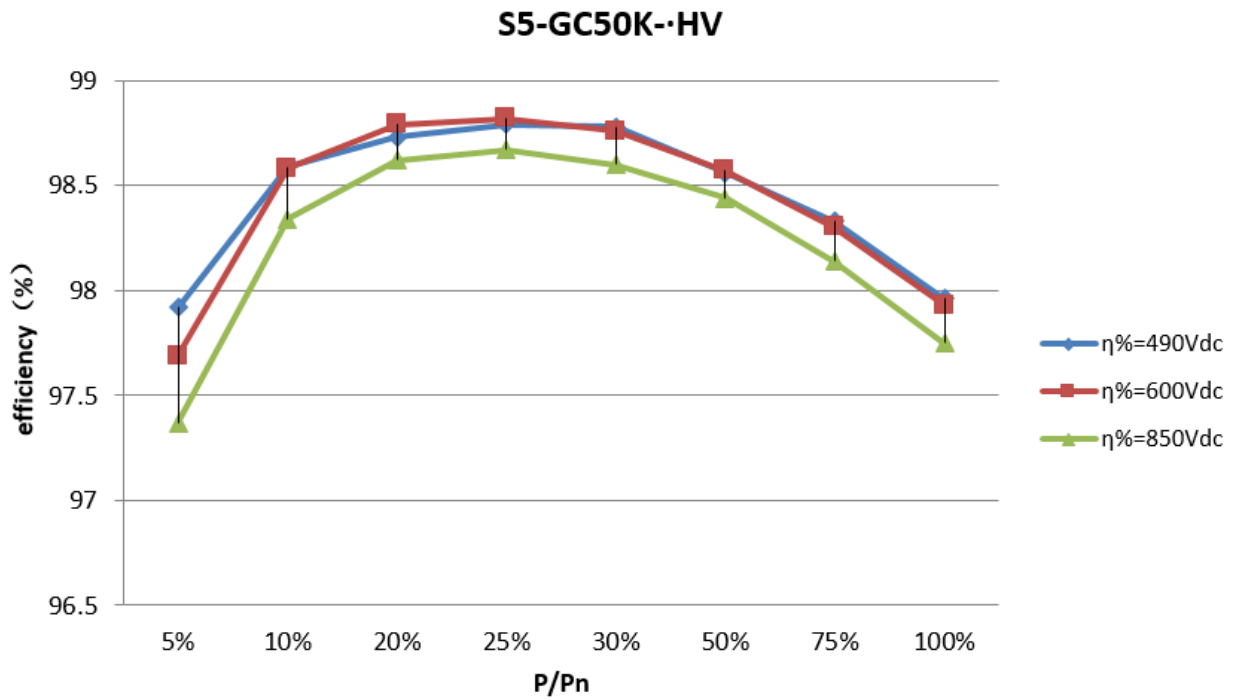
Extract from test report according the IEC 61683

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
<b>V<sub>min</sub></b>	490	97,92	98,59	98,73	98,79	98,78	98,56	98,33	97,96
<b>V<sub>nominal</sub></b>	600	97,69	98,58	98,79	98,82	98,76	98,57	98,30	97,93
<b>V<sub>max</sub> (90% MPPT)</b>	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

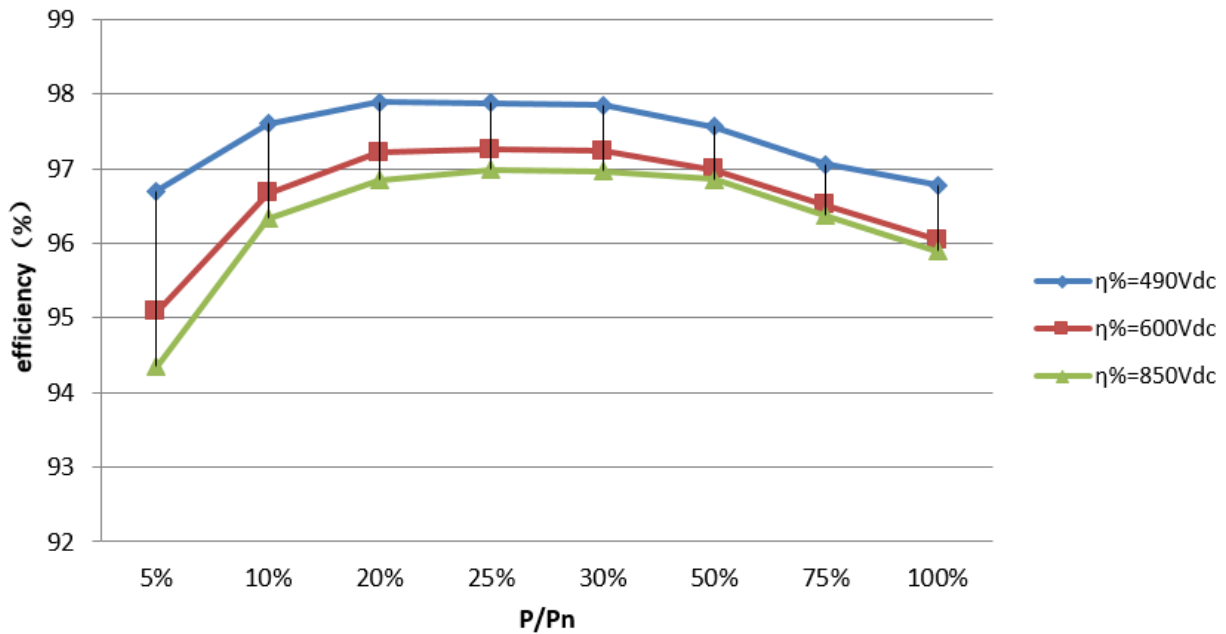
Nr. CCCV-ESH-P22111439

**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
<b>V<sub>min</sub></b>	340	96,70	97,60	97,89	97,88	97,85	97,56	97,05	96,78
<b>V<sub>nominal</sub></b>	600	95,08	96,67	97,21	97,25	97,23	96,99	96,51	96,04
<b>V<sub>max</sub> (90% MPPT)</b>	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**

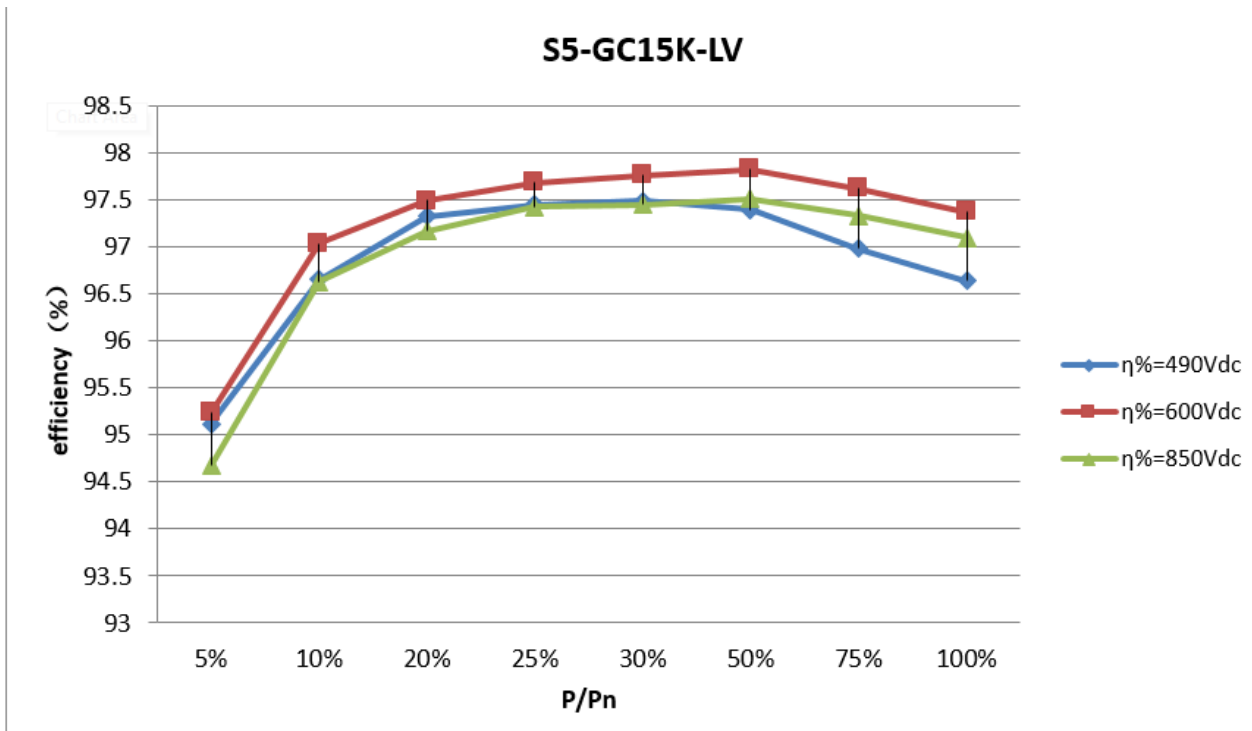
Extract from test report according the IEC 61683

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
<b>V<sub>min</sub></b>	260	95,12	96,65	97,32	97,45	97,49	97,39	96,98	96,64
<b>V<sub>nominal</sub></b>	600	95,23	97,03	97,49	97,68	97,76	97,82	97,62	97,37
<b>V<sub>max</sub> (90% MPPT)</b>	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