



**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-GR1P7K**
S5-GR1P8K
S5-GR1P9K
S5-GR1P10K

Use in accordance with regulations:

The inverter(s) is/are tested according to 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 representative product listed above corresponds to the stated rules and standards.

Report number: **CCCV-ESH-P22050348**

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

Certificate number: **U22-0430**

Date of issue: **2022-07-06**

Certification body

Alf Assenkamp
Alf Assenkamp



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

Testing laboratory accredited according to DIN EN ISO/IEC 17025

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

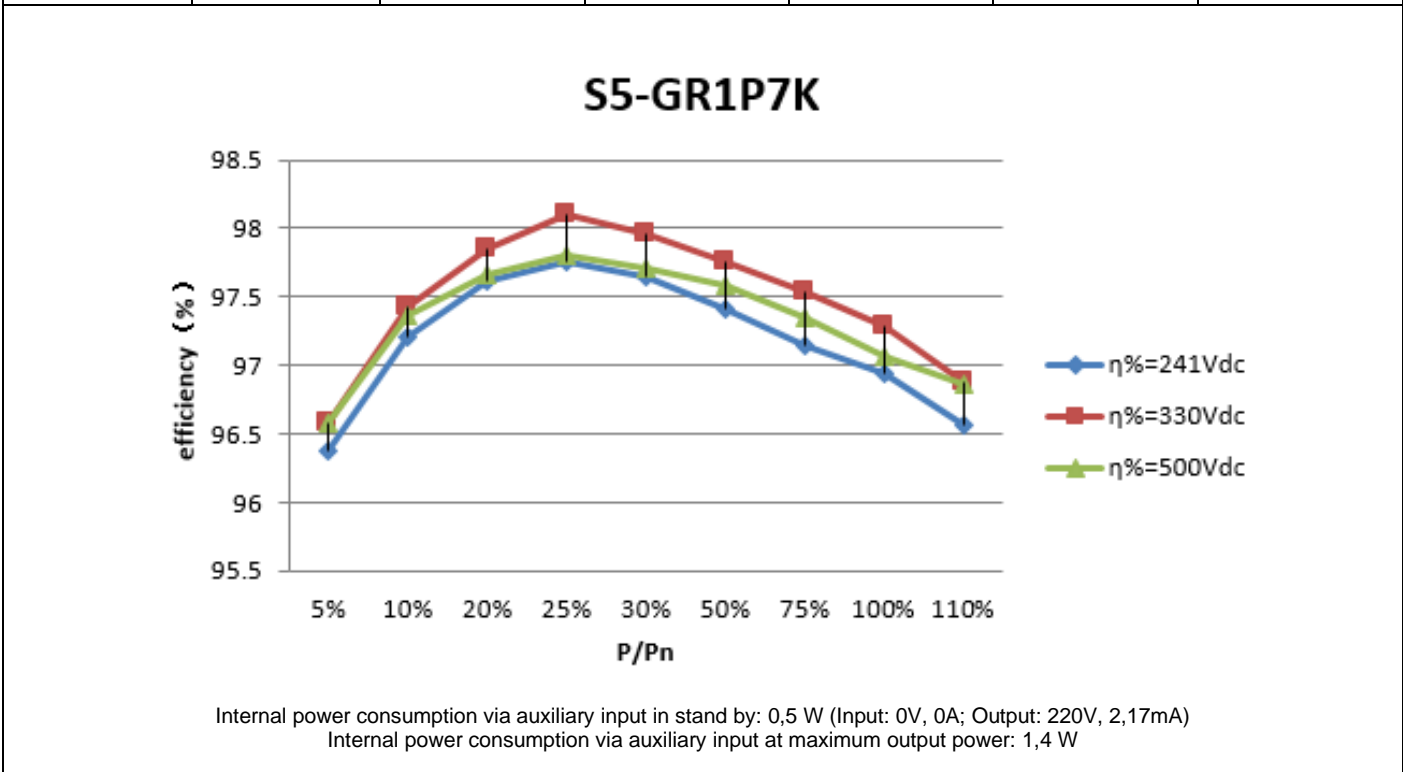


Appendix

Extract from test report according to the IEC 61683 Nr. CCCV-ESH-P22050348

Efficiency measurement conditions test results

S5-GR1P7K						
Input voltage [Vdc]		Power in [W] (nom. 7000W)				
		10%	25%	50%	75%	100%
		700	1750	3500	5250	7000
		η in [%]				
V_{min}	241	97,21	97,76	97,41	97,15	96,94
$V_{nominal}$	330	97,42	98,10	97,75	97,54	97,28
V_{max} (90% MPPT)	500	97,36	97,80	97,58	97,35	97,07





Appendix

Extract from test report according to the IEC 61683

Nr. CCCV-ESH-P22050348

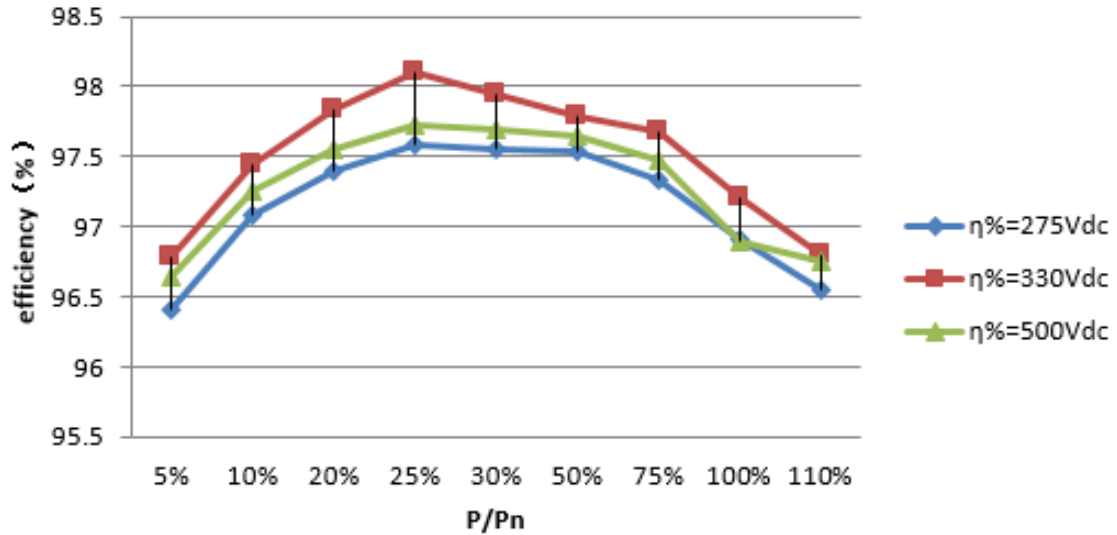
Efficiency measurement conditions test results

S5-GR1P8K

Power in [W] (nom. 8000W)

Input voltage [Vdc]		Power in [W] (nom. 8000W)				
		10%	25%	50%	75%	100%
		800	2000	4000	6000	8000
		η in [%]				
V _{min}	275	97,08	97,59	97,54	97,33	96,91
V _{nominal}	330	97,44	98,10	97,79	97,68	97,21
V _{max (90% MPPT)}	500	97,25	97,72	97,65	97,47	96,90

S5-GR1P8K



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



Appendix

Extract from test report according to the IEC 61683

Nr. CCCV-ESH-P22050348

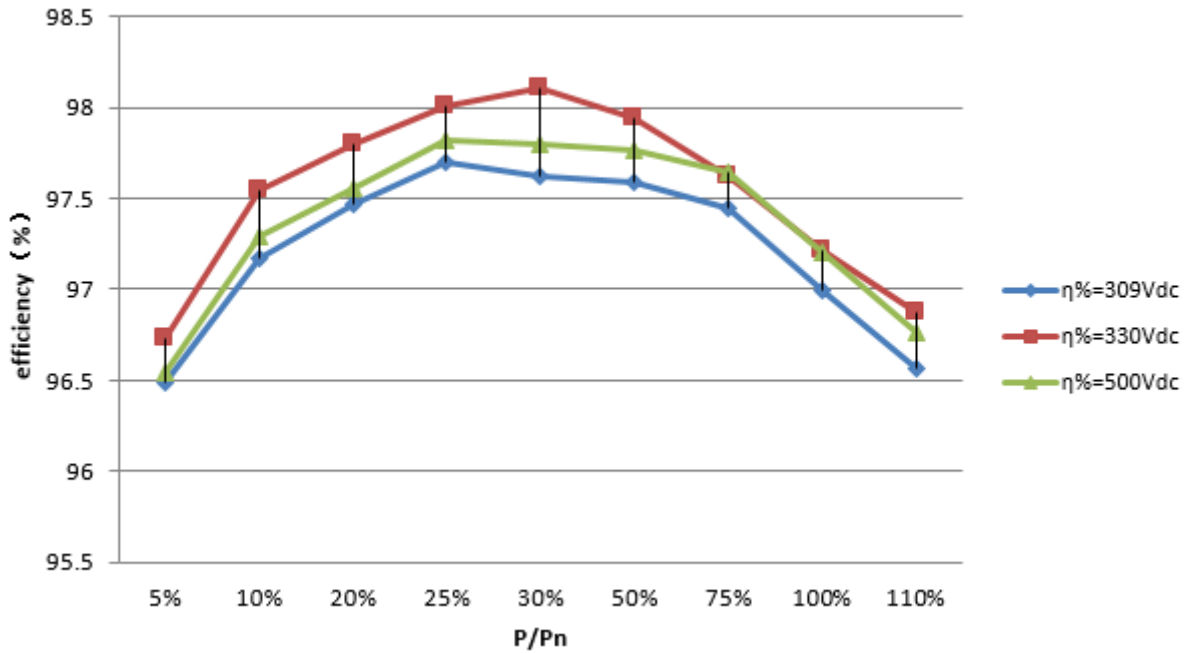
Efficiency measurement conditions test results

S5-GR1P9K

Power in [W] (nom. 9000W)

Input voltage [Vdc]		Power in [W] (nom. 9000W)				
		10%	25%	50%	75%	100%
		900	2250	4500	6750	9000
		η in [%]				
V _{min}	309	97,17	97,70	97,59	97,44	96,99
V _{nominal}	330	97,54	98,01	97,94	97,62	97,21
V _{max (90% MPPT)}	500	97,29	97,82	97,76	97,64	97,20

S5-GR1P9K



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



Appendix

Extract from test report according to the IEC 61683

Nr. CCCV-ESH-P22050348

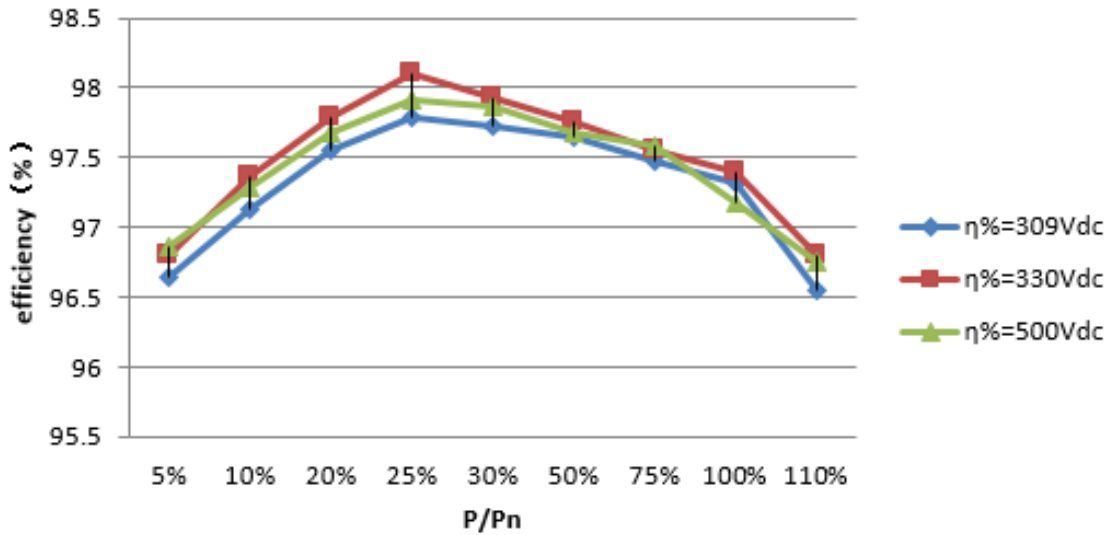
Efficiency measurement conditions test results

S5-GR1P10K

Power in [W] (nom. 10000W)

Input voltage [Vdc]		Power in [W] (nom. 10000W)				
		10%	25%	50%	75%	100%
		1000	2500	5000	7500	10000
		η in [%]				
V_{min}	309	97,13	97,78	97,64	97,47	97,31
$V_{nominal}$	330	97,37	98,10	97,75	97,56	97,39
V_{max} (90% MPPT)	500	97,28	97,91	97,68	97,58	97,17

S5-GR1P10K



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