



**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:** **S6-GC3P23K03-LV-ND**  
**S6-GC3P25K04-LV-ND**  
**S6-GC3P30K04-LV-ND**  
**S6-GC3P36K04-LV-ND**  
**S6-GC3P50K04-HV-ND**  
**S6-GC3P60K05-HV-ND**

## 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-P24060203**

**Certification program:** **NSOP-0032-DEU-ZE-V10**

**Certificate number:** **U24-0917**

**Date of issue:** **2024-10-15**

## Certification body

Domenik Koll  
Head of Energy Systems

*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*





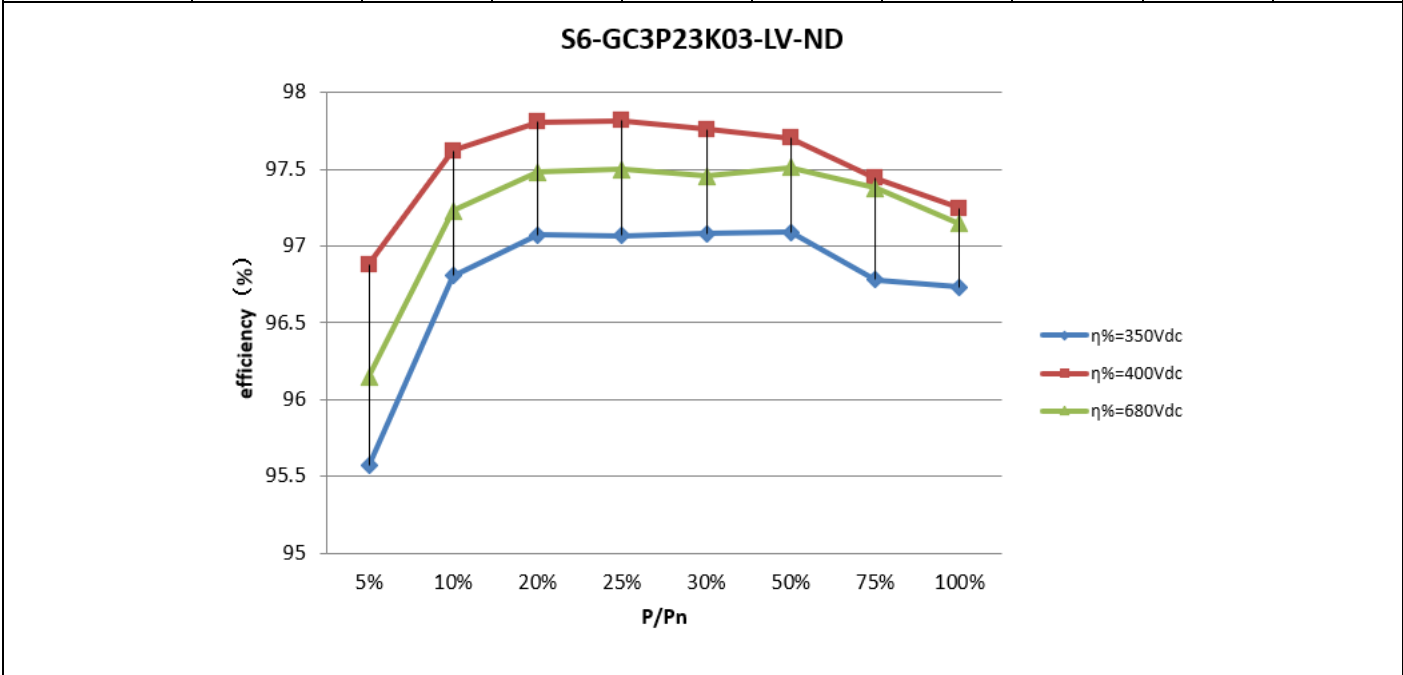
**Appendix**

Extract from test report according the IEC 61683 Nr. CCCV-ESH-P24060203

**Efficiency measurement conditions test results**

**S6-GC3P23K03-LV-ND**

Input voltage [Vdc]		Power Level							
		5%	10%	20%	25%	30%	50%	75%	100%
		1150	2300	4600	5750	6900	11500	17250	23000
		η in [%]							
V <sub>min</sub>	350	95.57	96.80	97.07	97.07	97.08	97.09	96.78	96.73
V <sub>nominal</sub>	400	96.88	97.62	97.81	97.81	97.76	97.70	97.44	97.24
V <sub>max (90% MPPT)</sub>	680	96.15	97.23	97.48	97.50	97.45	97.51	97.37	97.15



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



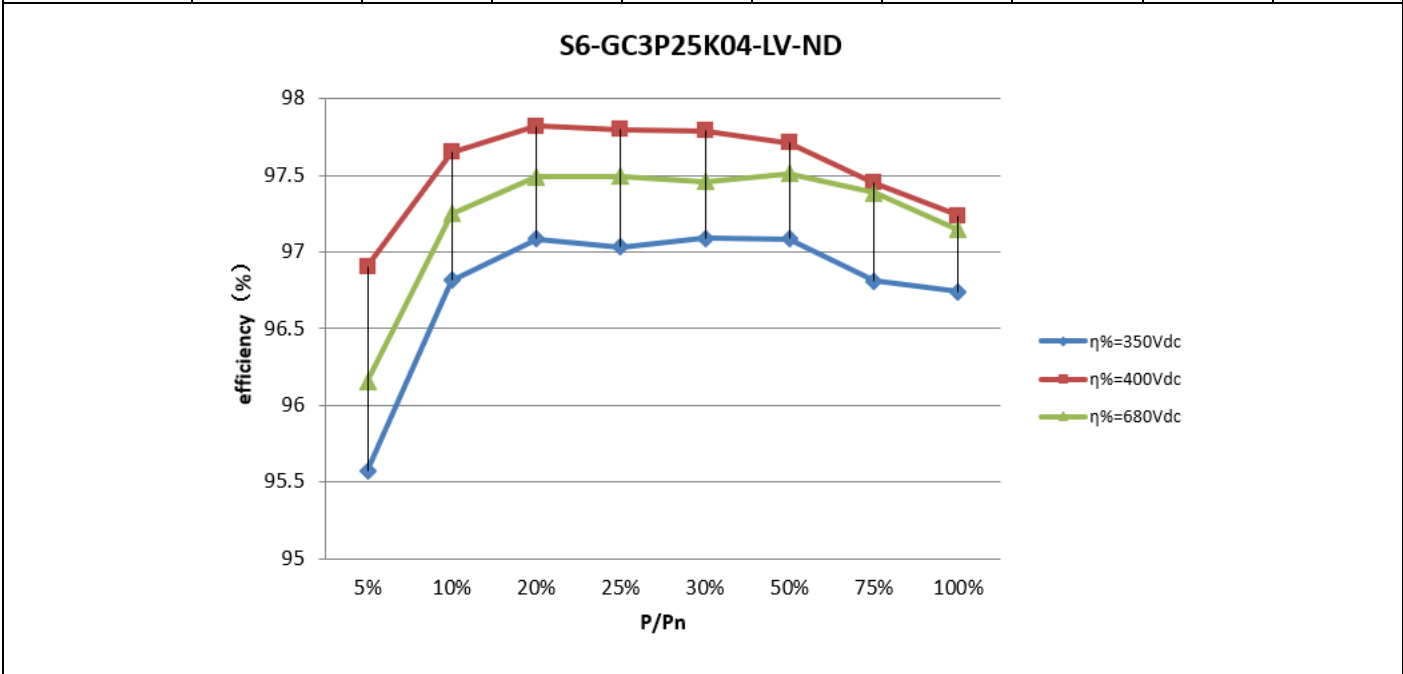
# Annex to the IEC 61683 certificate of compliance No. U24-0917

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**Appendix**  
 Extract from test report according the IEC 61683 Nr. CCCV-ESH-P24060203

**Efficiency measurement conditions test results**

Input voltage [Vdc]		Power Level							
		5%	10%	20%	25%	30%	50%	75%	100%
		1250	2500	5000	6250	7500	12500	18750	25000
		η in [%]							
V <sub>min</sub>	350	95.57	96.81	97.09	97.03	97.09	97.09	96.81	96.74
V <sub>nominal</sub>	400	96.91	97.65	97.82	97.80	97.79	97.71	97.45	97.24
V <sub>max (90% MPPT)</sub>	680	96.16	97.25	97.49	97.49	97.46	97.51	97.38	97.15



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



Annex to the IEC 61683 certificate of compliance No. U24-0917

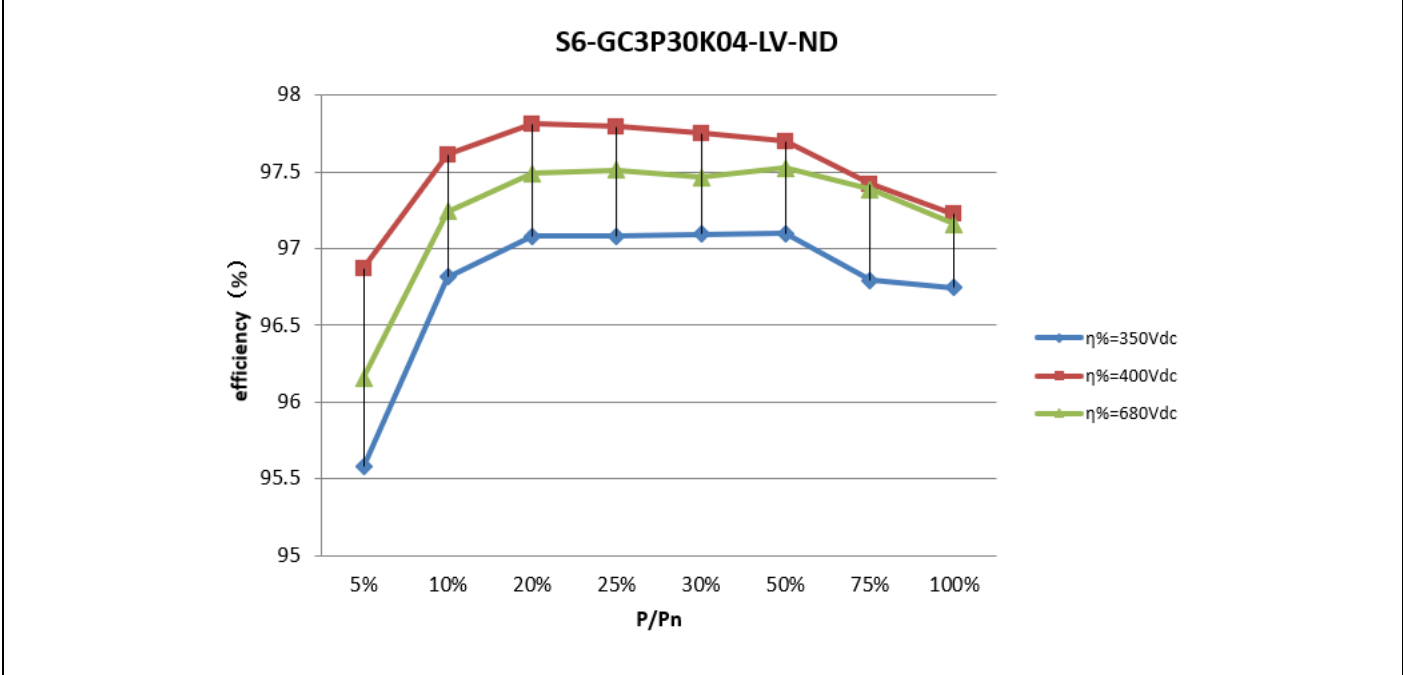
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**Appendix**  
 Extract from test report according the IEC 61683 Nr. CCCV-ESH-P24060203

**Efficiency measurement conditions test results**

**S6-GC3P30K04-LV-ND**

Input voltage [Vdc]		Power Level							
		5%	10%	20%	25%	30%	50%	75%	100%
		1500	3000	6000	7500	9000	15000	22500	30000
		η in [%]							
V <sub>min</sub>	350	95.58	96.82	97.08	97.08	97.09	97.10	96.79	96.74
V <sub>nominal</sub>	400	96.87	97.61	97.81	97.80	97.75	97.70	97.42	97.23
V <sub>max (90% MPPT)</sub>	680	96.16	97.24	97.49	97.51	97.46	97.52	97.39	97.16



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



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BUREAU VERITAS

Appendix

Extract from test report according the IEC 61683

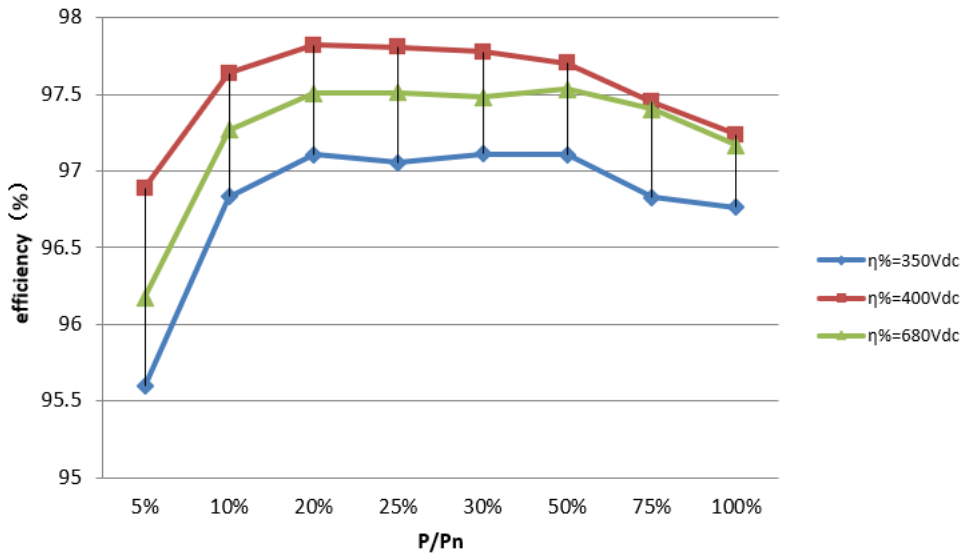
Nr. CCCV-ESH-P24060203

Efficiency measurement conditions test results

S6-GC3P36K04-LV-ND

Input voltage [Vdc]		Power Level							
		5%	10%	20%	25%	30%	50%	75%	100%
		1800	3600	7200	9000	10800	18000	27000	36000
		η in [%]							
V <sub>min</sub>	350	95.59	96.83	97.11	97.05	97.11	97.11	96.83	96.76
V <sub>nominal</sub>	400	96.89	97.64	97.82	97.81	97.78	97.70	97.45	97.24
V <sub>max (90% MPPT)</sub>	680	96.17	97.27	97.51	97.51	97.48	97.53	97.40	97.17

S6-GC3P36K04-LV-ND



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



Appendix

Extract from test report according the IEC 61683

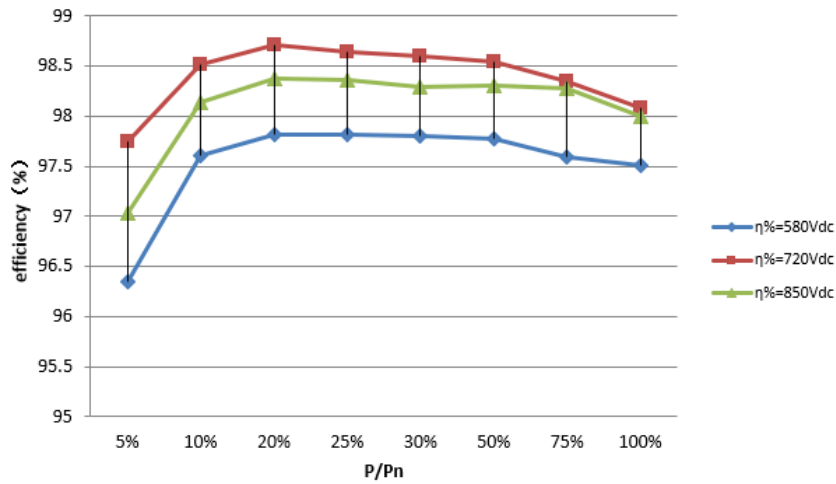
Nr. CCCV-ESH-P24060203

Efficiency measurement conditions test results

S6-GC3P50K04-HV-ND

Input voltage [Vdc]		Power Level							
		5%	10%	20%	25%	30%	50%	75%	100%
		2500	5000	10000	12500	15000	25000	37500	50000
		η in [%]							
V <sub>min</sub>	580	96.35	97.60	97.82	97.82	97.80	97.78	97.60	97.51
V <sub>nominal</sub>	720	97.75	98.51	98.71	98.64	98.60	98.54	98.35	98.08
V <sub>max (90% MPPT)</sub>	850	97.04	98.14	98.38	98.36	98.29	98.30	98.27	98.01

S6-GC3P50K04-HV-ND



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



Appendix

Extract from test report according the IEC 61683

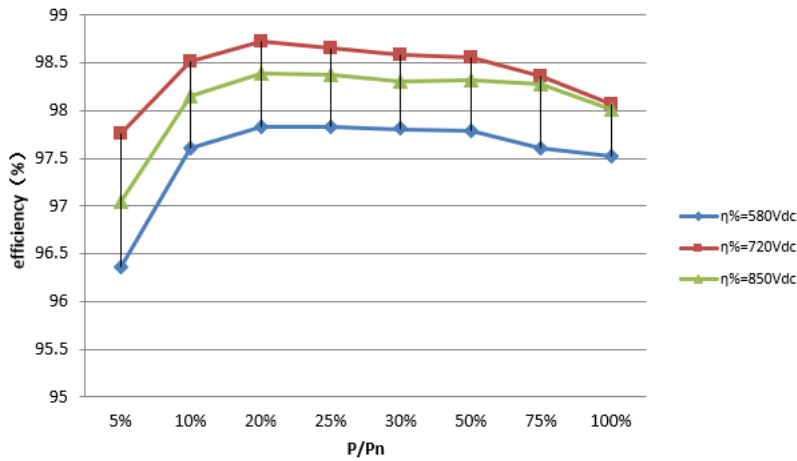
Nr. CCCV-ESH-P24060203

Efficiency measurement conditions test results

S6-GC3P60K05-HV-ND

Input voltage [Vdc]		Power Level							
		5%	10%	20%	25%	30%	50%	75%	100%
		3000	6000	12000	15000	18000	30000	45000	60000
		η in [%]							
V <sub>min</sub>	580	96.36	97.61	97.83	97.83	97.81	97.79	97.61	97.52
V <sub>nominal</sub>	720	97.77	98.51	98.72	98.66	98.59	98.56	98.36	98.07
V <sub>max (90% MPPT)</sub>	850	97.04	98.15	98.39	98.37	98.30	98.31	98.28	98.01

S6-GC3P60K05-HV-ND



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