Certificate of Conformity

By the product certificate number: **No. 2622/0463-B/E1-M3-CER/E1**

Issued to:

License holder: **Chint PVSTAR Energy Solution B.V.**
Transformatorweg 38, 1014AK Amsterdam, the Netherlands

Trademark: PVSTAR

Contract number: **802664**

It is certified that the product:

Type of generating unit:	**Hybrid Inverter**	
Models:	**PVS-AS3k-G2 / PVS-AS3.68k-G2 / PVS-AS4k-G2 / PVS-AS5k-G2 / PVS-AS6k-G2**	
Technical Data:	**Nominal power**	**See page 2**
	Nominal voltage	**230 V_{ac}**
	Nominal frequency	**50 / 60 Hz**
	Firmware version	**See page 2**
	Number of phases	**Single Phase**
	Isolation Transformer	**No**

Is in compliance with the standard:

IEC 61683:1999. "Photovoltaic systems. Power conditioners. Procedure for measuring efficiency."

This certificate is based upon the test results of the Test Report GZES230300393602.

The above-mentioned generating unit is certified according to the SGS internal procedure PE.T-ECPE-33 based on the requirements of the UNE-EN ISO / IEC 17065.

This certificate cancels and supersedes the certificate no. 2622/0463-B/E1-M3-CER

First issued on 17th October 2024
This certificate is valid until 4th November 2027

Madrid, 17th October 2024

Daniel Arranz Muñiz
Certification Manager

SGS Tecnos, S.A.U. C/ Trespaderne, 29 - 28042 Madrid
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The status and validity of the certificate can be checked scanning the QR code above included or through the following web link.
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ENAC CERTIFICACIÓN ISO 17065 Nº87 / C-PR244

Full list of product references and nominal characteristics:

Product Model	PVS-AS3k-G2	PVS-AS3.68k-G2	PVS-AS4k-G2	PVS-AS5k-G2	PVS-AS6k-G2
Input (DC)					
Max.DC Voltage (V)	550				
MPPT Voltage Range (V)	40 ~ 530				
MPPT Full load voltage range (V)	155 ~ 500	155 ~ 500	195 ~ 500	210 ~ 500	210 ~ 500
Max. input current (A)	2*16				
Battery input					
Voltage range (V)	40 ~ 60				
Rated Voltage (V)	48				
Max. Charge/Discharge Power (W)	5000 W / 5000 W				
Max. Charge/Discharge Current (A)	100 A / 100 A				
Output (AC)					
Rated active power (W)	3000	3680	4000	5000	6000
Max. apparent AC power (VA)	3000	3680	4000	5000	6000
Max. Output Current (A)	13.6	16	18.2	22.7	27.3
Nominal Grid Voltage (V)	230				
Nominal Frequency (Hz)	50 / 60				
General Data					
Firmware version for 50 Hz	Master Firmware version: V610-02003-01 Slave Firmware version: V610-60009-00 Safety Firmware version: V610-10008-03				
Firmware version for 60 Hz	Master Firmware version: V610-02003-03 Slave Firmware version: V610-60009-00 Safety Firmware version: V610-10008-05				

Summary of efficiency results measured for the tested models:

These efficiency results are representatives for the referred models with a testing frequency of 50Hz.

Power conditioner type – Grid Connected

PVS-AS3k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	95.9%	96.1%	96.2%	96.0%
Nominal input voltage (2)	96.8%	97.4%	97.8%	97.6%	97.3%
90% of the maximum rated input voltage (3)	95.7%	96.9%	97.2%	97.1%	96.8%

(1) 155 V; (2)380 V; (3)495 V

PVS-AS3.68k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	95.9%	96.0%	96.0%	95.8%
Nominal input voltage (2)	96.3%	97.9%	97.3%	97.1%	96.7%
90% of the maximum rated input voltage (3)	96.3%	97.7%	97.2%	96.8%	96.4%

(1) 155 V; (2)380 V; (3)495 V

PVS-AS4k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	95.9%	96.2%	95.9%	95.7%
Nominal input voltage (2)	96.2%	97.7%	97.6%	97.3%	97.2%
90% of the maximum rated input voltage (3)	95.8%	97.2%	97.2%	97.1%	96.7%

(1) 195 V; (2)380 V; (3)495 V

PVS-AS5k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	96.3%	96.1%	95.8%	95.5%
Nominal input voltage (2)	96.6%	97.9%	97.6%	97.2%	97.0%
90% of the maximum rated input voltage (3)	96.6%	97.6%	97.4%	97.1%	96.7%

(1) 210 V; (2)380 V; (3)495 V

PVS-AS6k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	96.3%	95.9%	95.7%	95.3%
Nominal input voltage (2)	96.5%	97.7%	97.4%	97.1%	96.7%
90% of the maximum rated input voltage (3)	96.2%	97.6%	97.1%	96.9%	96.4%

(1) 210 V; (2)380 V; (3)495 V

These efficiency results are representatives for the referred models with a testing frequency of 60Hz.

Power conditioner type – Grid Connected

PVS-AS3k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	95.8%	96.2%	96.3%	95.7%
Nominal input voltage (2)	96.3%	97.2%	97.8%	97.5%	97.2%
90% of the maximum rated input voltage (3)	95.7%	97.2%	97.3%	97.1%	96.9%

(1) 155 V; (2)380 V; (3)495 V

PVS-AS3.68k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	93.9%	95.9%	96.1%	95.9%	95.8%
Nominal input voltage (2)	96.3%	97.5%	97.6%	97.4%	97.2%
90% of the maximum rated input voltage (3)	95.7%	97.5%	97.4%	97.1%	97.1%

(1) 155 V; (2)380 V; (3)495 V

PVS-AS4k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	93.9%	96.2%	96.2%	96.1%	96.0%
Nominal input voltage (2)	96.2%	97.7%	97.6%	97.5%	97.3%
90% of the maximum rated input voltage (3)	96.2%	97.6%	97.2%	96.1%	96.9%

(1) 195 V; (2)380 V; (3)495 V

PVS-AS5k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.4%	96.0%	96.0%	96.0%	95.6%
Nominal input voltage (2)	97.7%	97.7%	97.2%	97.1%	97.0%
90% of the maximum rated input voltage (3)	96.6%	97.6%	97.4%	97.1%	96.8%

(1) 155 V; (2)380 V; (3)495 V

PVS-AS6k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.7%	96.2%	94.6%	95.7%	95.4%
Nominal input voltage (2)	97.8%	96.7%	97.6%	97.0%	96.7%
90% of the maximum rated input voltage (3)	96.5%	97.7%	97.4%	96.9%	96.4%

(1) 155 V; (2)380 V; (3)495 V