Certificate of Conformity

By the product certificate number: **No. 230028RECO33-M3-CER**

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-AT5k-G2 / PVS-AT6k-G2 / PVS-AT8k-G2 / PVS-AT10k-G2**
PVS-AT12k-G2 / PVS-AT5k-G2 Pro
PVS-AT6k-G2 Pro / PVS-AT8k-G2 Pro / PVS-AT10k-G2 Pro / PVS-AT12k-G2 Pro

Technical Data:		
	Nominal power [W]	**See page 2**
	Nominal voltage [V]	**230 / 400**
	Nominal frequency [Hz]	**50 / 60**
	Firmware version	**Master: V610-05001-01** **Slave: V610-60015-00** **Safety: V610-11022-00**
	Number of phases	**Three Phase (3/N/PE)**
	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 GZES230901660603(1)
(1) The tests shown in this test report are carried out at a frequency of 50 Hz and 60 Hz.

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.

First issued on 19th September 2024.
This certificate is valid until 09th October 2028.

Madrid, 19th September 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:

Model	PVS-AT5k-G2	PVS-AT6k-G2	PVS-AT8k-G2	PVS-AT10k-G2	PVS-AT12k-G2
PV Input					
Rated input voltage (V)	630				
MPPT operating range (V)	150-950		200-950		
Max. input current (A)	20/20				
AC Output					
Rated AC power (kW)	5	6	8	10	12
Max. AC power (kVA)	5	6	8	10	12
Rated AC current (A)	7.3	8.7	11.6	14.5	17.4
Max. AC current (A)	8.0	9.6	12.8	16.0	19.2

Model	PVS-AT5k-G2 Pro	PVS-AT6k-G2 Pro	PVS-AT8k-G2 Pro	PVS-AT10k-G2 Pro	PVS-AT12k-G2 Pro
PV Input					
Rated input voltage (V)	630				
MPPT operating range (V)	150-950		200-950		
Max. input current (A)	16/16/16				
AC Output					
Rated AC power (kW)	5	6	8	10	12
Max. AC power (kVA)	5	6	8	10	12
Rated AC current (A)	7.3	8.7	11.6	14.5	17.4
Max. AC current (A)	8.0	9.6	12.8	16.0	19.2

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-AT5k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	93.5%	95.8%	96.8%	97.3%	97.3%
Nominal input voltage (2)	94.2%	97.3%	98.1%	98.3%	98.3%
90% of the maximum rated input voltage (3)	92.3%	96.1%	97.2%	97.6%	97.5%

(1) 250 V; (2)630 V; (3)850 V

PVS-AT6k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.5%	96.5%	97.2%	97.3%	97.3%
Nominal input voltage (2)	95.7%	97.4%	98.3%	98.4%	98.3%
90% of the maximum rated input voltage (3)	93.3%	96.4%	97.3%	97.6%	97.5%

(1) 290 V; (2)630 V; (3)850 V

PVS-AT8k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	96.6%	96.0%	97.0%	97.4%	97.4%
Nominal input voltage (2)	94.4%	97.5%	98.2%	98.4%	98.4%
90% of the maximum rated input voltage (3)	92.2%	96.1%	97.3%	97.6%	97.6%

(1) 350 V; (2)630 V; (3)850 V

PVS-AT10k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.2%	96.3%	97.4%	97.4%	97.3%
Nominal input voltage (2)	94.9%	97.3%	98.4%	98.4%	98.3%
90% of the maximum rated input voltage (3)	92.3%	96.4%	97.7%	97.5%	97.5%

(1) 380 V; (2)630 V; (3)850 V

PVS-AT12k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.5%	96.6%	97.5%	97.5%	97.4%
Nominal input voltage (2)	95.7%	97.6%	98.5%	98.5%	98.4%
90% of the maximum rated input voltage (3)	93.6%	96.6%	97.5%	97.7%	97.5%

(1) 450 V; (2)630 V; (3)850 V

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

Power conditioner type – Grid Connected

PVS-AT5k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	93.5%	95.8%	96.8%	97.2%	97.2%
Nominal input voltage (2)	94.0%	97.3%	98.0%	98.2%	98.2%
90% of the maximum rated input voltage (3)	92.1%	96.0%	97.1%	97.5%	97.5%

(1) 250 V; (2)630 V; (3)850 V

PVS-AT6k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.3%	96.4%	97.1%	97.3%	97.2%
Nominal input voltage (2)	95.4%	97.4%	98.2%	98.3%	98.2%
90% of the maximum rated input voltage (3)	93.5%	96.4%	97.3%	97.5%	97.4%

(1) 290 V; (2)630 V; (3)850 V

PVS-AT8k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	93.6%	95.9%	96.9%	97.4%	97.3%
Nominal input voltage (2)	94.2%	97.4%	98.1%	98.4%	98.3%
90% of the maximum rated input voltage (3)	92.2%	96.1%	97.4%	97.5%	97.5%

(1) 350 V; (2)630 V; (3)850 V

PVS-AT10k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.1%	96.3%	97.3%	97.3%	97.2%
Nominal input voltage (2)	94.9%	97.3%	98.4%	98.3%	98.2%
90% of the maximum rated input voltage (3)	92.3%	96.2%	97.6%	97.5%	97.5%

(1) 380 V; (2)630 V; (3)850 V

PVS-AT12k-G2					
Test condition	**10%Sn**	**25%Sn**	**50%Sn**	**75%Sn**	**100%Sn**
Minimum rated input voltage (1)	94.5%	96.5%	97.4%	97.4%	97.3%
Nominal input voltage (2)	95.5%	97.5%	98.4%	98.4%	98.5%
90% of the maximum rated input voltage (3)	93.5%	96.5%	97.4%	97.6%	97.6%

(1) 450 V; (2)630 V; (3)850 V