

Certificate of Conformity

By the product certificate number:

No. 230022RECO10-M3-CER

Issued to:

License holder:

TommaTech GmbH

Angerlweg 14 c/o Kuhlmann, Tomma 85748
Garching b. München, Germany

Trademark:



Contract number

802595

It is certified that the product:

Type of generating unit: **Hybrid inverter**

Models:		INV-TT-TF- M29.9K	INV-TT-TF- M30K	INV-TT-TF- M35K	INV-TT-TF- M40K	INV-TT-TF- M50K
Technical Data:	Nominal power [kW]	29.9	30	35	40	50
	Nominal voltage [V _{ac}]			230 / 400		
	Nominal frequency [Hz]			50 / 60		
	Firmware version			MAIN: Ver 3102		
	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 GZES221102230703 ⁽¹⁾

⁽¹⁾ The tests shown in this test report are carried out at a frequency of 50 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 23rd January 2024

This certificate is valid until 16th May 2028

Madrid, 23rd January 2024



Daniel Arranz Muñoz
Certification Manager



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

INV-TT-TF-M29.9K					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.0%	96.4%	97.6%	97.3%	97.1%
Nominal input voltage ⁽²⁾	96.0%	98.4%	98.3%	98.0%	97.7%
90% of the maximum rated input voltage ⁽³⁾	95.6%	98.0%	97.9%	97.7%	97.5%

⁽¹⁾ 360 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

INV-TT-TF-M30K					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	94.9%	96.3%	97.6%	97.3%	97.1%
Nominal input voltage ⁽²⁾	96.1%	98.3%	98.2%	97.9%	97.7%
90% of the maximum rated input voltage ⁽³⁾	95.7%	98.1%	97.9%	97.7%	97.5%

⁽¹⁾ 360 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

INV-TT-TF-M35K					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.4%	98.1%	97.9%	97.6%	97.3%
Nominal input voltage ⁽²⁾	96.3%	98.5%	98.4%	98.2%	97.8%
90% of the maximum rated input voltage ⁽³⁾	95.9%	98.3%	98.2%	98.1%	97.7%

⁽¹⁾ 360 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

INV-TT-TF-M40K					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	95.1%	97.7%	97.9%	97.5%	97.2%
Nominal input voltage ⁽²⁾	95.9%	98.4%	98.3%	98.2%	97.9%
90% of the maximum rated input voltage ⁽³⁾	95.5%	98.2%	98.1%	97.9%	97.7%

⁽¹⁾ 360 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

INV-TT-TF-M50K					
Test condition	10%Sn	25%Sn	50%Sn	75%Sn	100%Sn
Minimum rated input voltage ⁽¹⁾	96.0%	97.7%	98.1%	98.0%	97.5%
Nominal input voltage ⁽²⁾	97.1%	98.6%	98.5%	98.4%	98.1%
90% of the maximum rated input voltage ⁽³⁾	96.8%	98.4%	98.3%	98.2%	98.1%

⁽¹⁾ 360 V; ⁽²⁾ 600 V; ⁽³⁾ 850 V

