

# ATTESTATION OF CONFORMITY

Issued to: M-TEC Energy Systems GmbH  
Aumühlweg 20, 4812 Pinsdorf, Austria

For the product: Grid-connected PV inverter

Trade name: **M-TEC**  
ENERGY SYSTEMS

Type/Model: EnergyButler 4KW-3P, EnergyButler 5KW-3P, EnergyButler 6KW-3P,  
EnergyButler 8KW-3P, EnergyButler 10KW-3P, EnergyButler 12KW-3P

Ratings: See Annex

Manufactured by: M-TEC Energy Systems GmbH  
Aumühlweg 20, 4812 Pinsdorf, Austria

Requirements: TOR Erzeuger Type A Version 1.1:2019  
OVE-Richtlinie R 25:2020

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6120072.50

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 28 March 2022

Number: 6120072.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin  
Certification Manager

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Ratings of the test product:

Operating temperature range: - 30°C to + 60°C

Protective class: I

Ingress protection rating: IP65

Power factor range (adjustable): 0.8 leading...0.8 lagging

Overvoltage category: III(Mains), II(DC)

Operating altitude: 3000 m

Inverter topology: Non-isolated

**EnergyButler 4KW-3P:**

PV input: Max 1000 Vdc, MPPT voltage range: 150-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac, 50 Hz, Rated AC output active power 4000 W, Max. AC output apparent power 4400 VA, Max 6.7 A

**EnergyButler 5KW-3P:**

PV input: Max 1000 Vdc, MPPT voltage range: 150-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac, 50 Hz, Rated AC output active power 5000 W, Max. AC output apparent power 5500 VA, Max 8.3 A

**EnergyButler 6KW-3P:**

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac, 50 Hz, Rated AC output active power 6000 W, Max. AC output apparent power 6600 VA, Max 10.0 A

**EnergyButler 8KW-3P:**

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac, 50 Hz, Rated AC output active power 8000 W, Max. AC output apparent power 8800 VA, Max 13.3 A

**EnergyButler 10KW-3P:**

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac, 50 Hz, Rated AC output active power 10000 W, Max. AC output apparent power 11000 VA, Max 16.5 A

**EnergyButler 12KW-3P:**

PV input: Max 1000 Vdc, MPPT voltage range: 200-850 Vdc, Max 13A/13 A, Isc PV: 18 A/18 A

Battery: Voltage Rang 180-750 Vdc, Max charge and discharge current: 25 A, Battery type: Li-Ion

AC output: 3/N/PE 230/400 Vac, 50 Hz, Rated AC output active power 12000 W, Max. AC output apparent power 13200 VA, Max 20.0 A