

## Prüfbericht / Verification report

**Baugleichheitsprüfung zwischen den in der Original-Lizenz und OEM-Lizenz abgedeckten Produkten / System identity check between the products covered in the original licence and products covered by the CO-Licence**

(zum Zweck der OEM Zertifizierung bezüglich Netzintegration / For the purpose of OEM certification regarding grid integration)

|                                                                        |                                                                                                            |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Labor / Laboratory:                                                    | Intertek Testing Services Shanghai.<br>Building No.86, 1198 Qinzhou Road (North), Shanghai 200233, China.  |
| Bericht-Nr. / Report no.                                               | 2402B0641SHA-001                                                                                           |
| Ausstellungsdatum / Date of issue                                      | 2024-03-08                                                                                                 |
| Geprüft durch / Checked by:                                            | Cain Meng/ Test Engineer <i>Cain Meng</i>                                                                  |
| Freigegeben durch / Approved by:                                       | Kathy Pan/ Reviewer <i>Kathy Pan</i>                                                                       |
| Original-Zertifikatinhaber / Original licence holder                   | NingBo Deye Inverter Technology Co., Ltd.<br>No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China      |
| CO-Lizenzinhaber / CO-licence holder                                   | APE Energiesysteme GmbH<br>Stadtparkstraße 20 39114 Magdeburg, Germany                                     |
| Bewertung der Baugleichheitsprüfung / Verdict of system identity check | <input checked="" type="checkbox"/> konform / conform <input type="checkbox"/> Nicht konform / not conform |
| Bemerkung / Remark                                                     | -----                                                                                                      |
| Prüfzeitraum / Date (s) of performance of verification:                | 2024-02-22 ~ 2024-03-03                                                                                    |

### 1 Gegenstand der Begutachtung / Evaluation object:

|                                     | Original-Lizenz / Original licence                                                  | OEM-Lizenz / OEM licence                                                              |
|-------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Produkttyp / Product type           | Netzinteraktiver Wechselrichter / Utility-Interactive Inverter                      |                                                                                       |
| Handelsmarke / Trademark            |  |  |
| Typenbezeichnung / Type designation | SUN-M60G4-EU-Q0,<br>SUN-M80G4-EU-Q0,<br>SUN-M100G4-EU-Q0                            | SUN-M60G4-EU-Q0,<br>SUN-M80G4-EU-Q0,<br>SUN-M100G4-EU-Q0                              |

### 2 Auflistung der zugrunde gelegten Dokumente / Listing of provided documents:

|                                            |                                      |
|--------------------------------------------|--------------------------------------|
| Hauptzertifikat Nr. / Main certificate no. | 23SHD0963-01<br>23SHD0964-01         |
| Prüfbericht Nr. / Test report no.          | 2309A0184SHA-001<br>2309A0184SHA-002 |

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### 3 Firmware Version / Firmware version:

| Original-Lizenz / Original licence<br>(Informationen dem Prüfbericht entnommen / Information taken from test report) | OEM-Lizenz / OEM licence<br>(Informationen dem Prüfmuster entnommen / Information taken from test sample) | Bewertung, Anmerkung / Verdict, Remark  |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------|
| 0235-1322                                                                                                            | 0235-1322                                                                                                 | Pass, the firmware version is identical |

Anmerkung / Note:

### 4 Typenschild / type label:

| Original-Lizenz / Original licence<br>(Informationen dem Prüfbericht entnommen / Information taken from test report)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | OEM-Lizenz / OEM licence<br>(Informationen dem Prüfmuster entnommen / Information taken from test sample)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Deye</b></p> <p><b>Netzinteraktiver Wechselrichter</b></p> <p>Modell Nummer: SUN-M60G4-EU-Q0<br/>Seriennummer:</p> <p>Max. Eingangsspannung: 60Vdc<br/>MPPT-Spannungsbereich: 25-55Vdc<br/>Maximaler nutzbarer Eingangsstrom: 2x13A<br/>Maximaler Kurzschluss-Strom: 2x19,5A<br/>AC-Ausgangsspannung: 230Vac<br/>Maximaler AC-Ausgangsstrom: 2,7A<br/>Maximale Ausgangs-Scheinleistung: 600VA<br/>AC-Ausgangs-Nennleistung: 600W<br/>AC-Ausgangsfrequenz: 50 Hz<br/>Betriebstemperaturbereich: -40°C to +65°C (&gt;+45°C derating)<br/>Schutzklasse: Class I<br/>Schutzart: IP67<br/>Überspannungsschutz: III (AC), II (DC)<br/>Wechselrichter-Topologie: Isolated<br/>Max. Einheiten pro Zweig: 8<br/>Standard: IEC/EN 62109-1, IEC/EN 62109-2</p> <p></p> <p><small>-Sowohl Wechsel- als auch Gleichspannungsquellen sind in diesem Gerät abgeschlossen<br/>-Jeder Stromkreis muss vor der Wartung ein abgetrennt werden<br/>-Die Photovoltaikanlage versorgt dieses Gerät mit Gleichspannung, wenn sie dem Licht ausgesetzt wird<br/>-Bitte lesen Sie die Anweisungen vor dem Gebrauch sorgfältig durch.<br/>-Heiße Oberfläche: Um das Risiko von Verbrennungen zu verringern - nicht berühren<br/>-Muss an einen eigenen Stromkreis angeschlossen werden. Maximaler Überstromschutz des Abzweigstromkreiseschutz: 45A<br/>Add: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China<br/>www.deyeinverter.com</small></p> | <p><b>APE ENERGIESYSTEME</b></p> <p><b>Utility-Interactive Inverter</b></p> <p>Type: SUN-M60G4-EU-Q0<br/>Serial Number:</p> <p>Max. Input Voltage: 60Vdc<br/>MPPT Voltage Range: 25-55Vdc<br/>Max. Input Current: 2x13A<br/>Max. Short Circuit Input Current: 2x19.5A<br/>Operating Voltage range (AC): 230Vac<br/>Max. AC Output Current: 2.7A<br/>Max. Output Apparent Power: 600VA<br/>Rated Output Power: 600W<br/>Rated AC Grid Frequency: 50 Hz<br/>Operating Temperature Range: -40°C to +65°C (&gt;+45°C derating)<br/>Protective Class: Class I<br/>Ingress Protection (IP) Rating: IP67<br/>Over Voltage Category: III (AC), II (DC)<br/>Inverter Topology: Isolated<br/>Max. Units Per Branch: 8<br/>Standard: IEC/EN 62109-1, IEC/EN 62109-2</p> <p></p> <p><small>-Both AC and DC voltage sources are terminated inside this equipment.<br/>-Each circuit must be individually disconnected before servicing.<br/>-Photovoltaic array supplied a DC voltage to this equipment when exposed to light.<br/>-Hot surface: To reduce the risk of burn - Do not touch.<br/>-Please read the instructions carefully before use.<br/>-To be connected to a dedicated branch circuit.<br/>-Maximum branch circuit overcurrent protection: 25A<br/>APE Energiesysteme GmbH<br/>Add.: Stadtparkstraße 20 39114 Magdeburg</small></p> |
| <p><b>Deye</b></p> <p><b>Netzinteraktiver Wechselrichter</b></p> <p>Modell Nummer: SUN-M80G4-EU-Q0<br/>Seriennummer:</p> <p>Max. Eingangsspannung: 60Vdc<br/>MPPT-Spannungsbereich: 25-55Vdc<br/>Maximaler nutzbarer Eingangsstrom: 2x13A<br/>Maximaler Kurzschluss-Strom: 2x19,5A<br/>AC-Ausgangsspannung: 230Vac<br/>Maximaler AC-Ausgangsstrom: 3,5A<br/>Maximale Ausgangs-Scheinleistung: 800VA<br/>AC-Ausgangs-Nennleistung: 800W<br/>AC-Ausgangsfrequenz: 50 Hz<br/>Betriebstemperaturbereich: -40°C to +65°C (&gt;+45°C derating)<br/>Schutzklasse: Class I<br/>Schutzart: IP67<br/>Überspannungsschutz: III (AC), II (DC)<br/>Wechselrichter-Topologie: Isolated<br/>Max. Einheiten pro Zweig: 6<br/>Standard: IEC/EN 62109-1, IEC/EN 62109-2</p> <p></p> <p><small>-Sowohl Wechsel- als auch Gleichspannungsquellen sind in diesem Gerät abgeschlossen<br/>-Jeder Stromkreis muss vor der Wartung ein abgetrennt werden<br/>-Die Photovoltaikanlage versorgt dieses Gerät mit Gleichspannung, wenn sie dem Licht ausgesetzt wird<br/>-Bitte lesen Sie die Anweisungen vor dem Gebrauch sorgfältig durch.<br/>-Heiße Oberfläche: Um das Risiko von Verbrennungen zu verringern - nicht berühren<br/>-Muss an einen eigenen Stromkreis angeschlossen werden. Maximaler Überstromschutz des Abzweigstromkreiseschutz: 45A<br/>Add: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China<br/>www.deyeinverter.com</small></p> | <p><b>APE ENERGIESYSTEME</b></p> <p><b>Utility-Interactive Inverter</b></p> <p>Type: SUN-M80G4-EU-Q0<br/>Serial Number:</p> <p>Max. Input Voltage: 60Vdc<br/>MPPT Voltage Range: 25-55Vdc<br/>Max. Input Current: 2x13A<br/>Max. Short Circuit Input Current: 2x19.5A<br/>Operating Voltage range (AC): 230Vac<br/>Max. AC Output Current: 3.5A<br/>Max. Output Apparent Power: 800VA<br/>Rated Output Power: 800W<br/>Rated AC Grid Frequency: 50 Hz<br/>Operating Temperature Range: -40°C to +65°C (&gt;+45°C derating)<br/>Protective Class: Class I<br/>Ingress Protection (IP) Rating: IP67<br/>Over Voltage Category: III (AC), II (DC)<br/>Inverter Topology: Isolated<br/>Max. Units Per Branch: 6<br/>Standard: IEC/EN 62109-1, IEC/EN 62109-2</p> <p></p> <p><small>-Both AC and DC voltage sources are terminated inside this equipment.<br/>-Each circuit must be individually disconnected before servicing.<br/>-Photovoltaic array supplied a DC voltage to this equipment when exposed to light.<br/>-Hot surface: To reduce the risk of burn - Do not touch.<br/>-Please read the instructions carefully before use.<br/>-To be connected to a dedicated branch circuit.<br/>-Maximum branch circuit overcurrent protection: 25A<br/>APE Energiesysteme GmbH<br/>Add.: Stadtparkstraße 20 39114 Magdeburg</small></p> |



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### 5 Auflistung der kritischen Komponenten / Listing of the critical components:

| Original-Lizenz / Original licence | OEM-Lizenz / OEM licence | Bewertung, Anmerkung / Verdict, Remark |
|------------------------------------|--------------------------|----------------------------------------|
| --                                 | --                       | --                                     |

Anmerkung / Note:

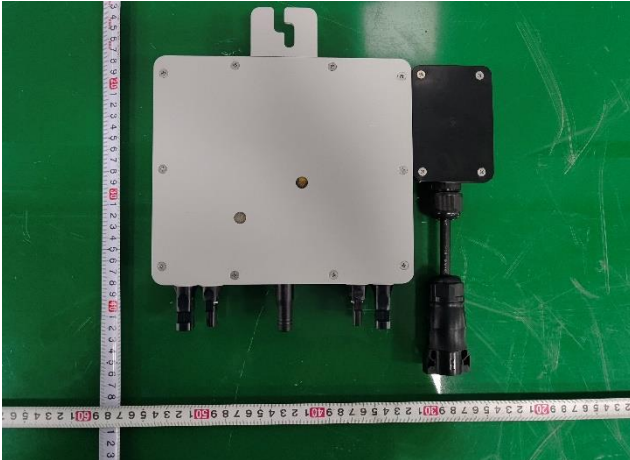
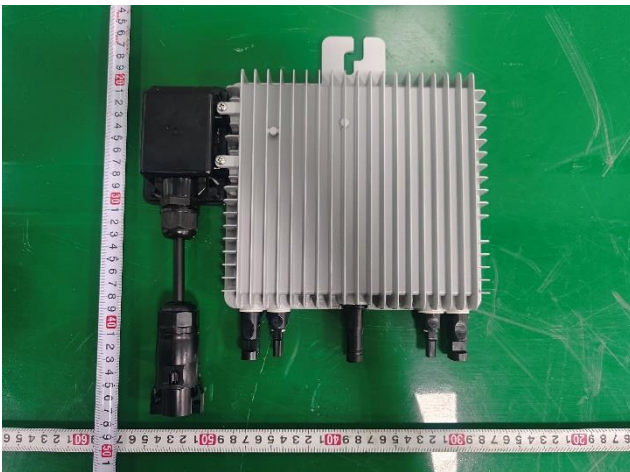
all components in the Original- and OEM-licence models are identical, except the enclosure parts, which have no influence on the certified electrical property of the models).

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### 6 Foto der Einheit / Photo of the unit:

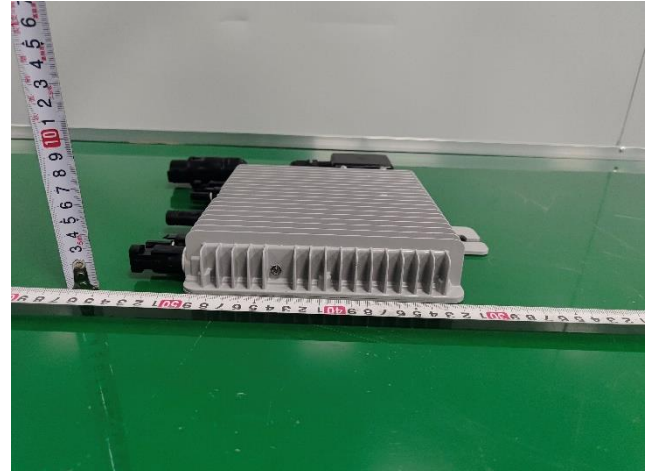
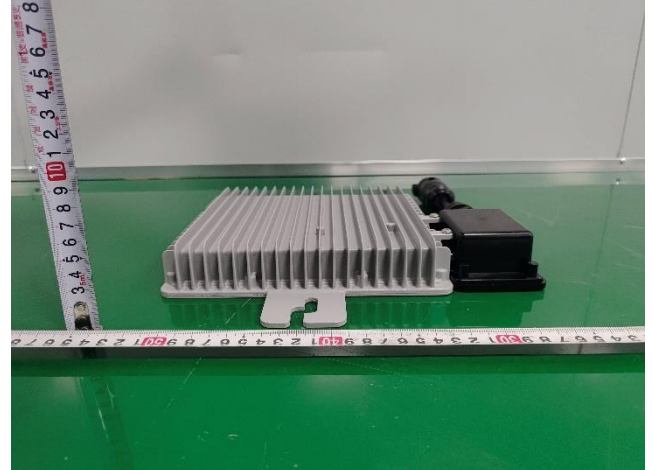
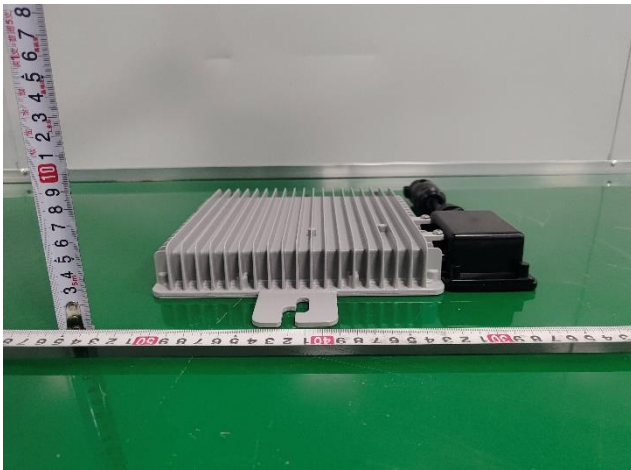
| <b>Original-Lizenz / Original licence</b><br>(Informationen dem Prüfbericht entnommen / Information taken from test report) | <b>OEM-Lizenz / OEM licence</b><br>(Informationen dem Prüfmuster entnommen / Information taken from test sample) |
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|                                          |                              |



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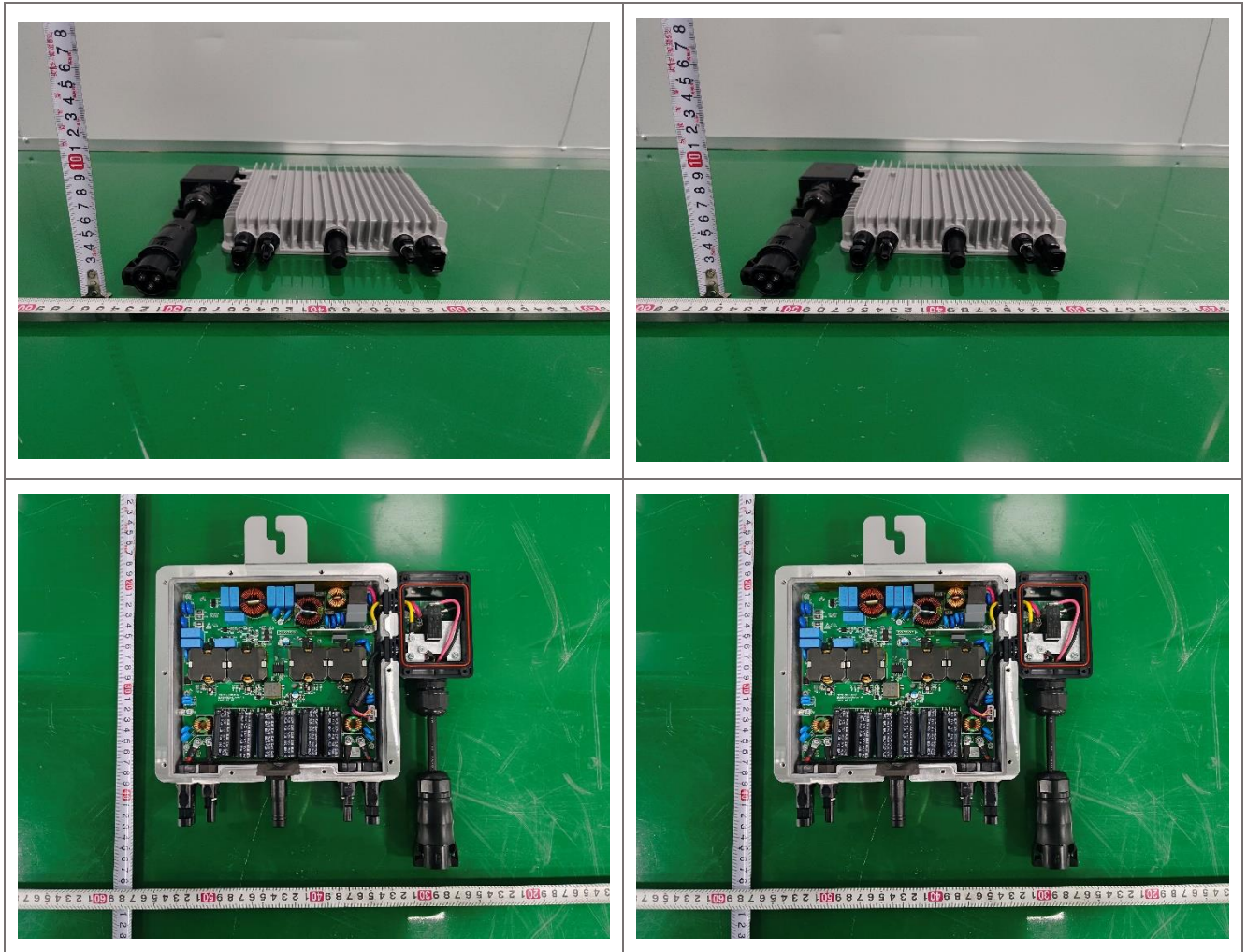
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Anmerkung / Note: