

# Certificate

of Compatibility for the following BRC Solar optimizers

**Power Optimizer M500**

**Power Optimizer M600-E**

**Power Optimizer M600-E**

with the inverters from **Sigenenergy Technology Co., Ltd.**

To confirm trouble-free operation, standardized compatibility tests were carried out. These are repeated at regular intervals with the inverter manufacturers' most current product portfolio to ensure compatibility.

We hereby confirm that the tests were carried out without issues according to the standardized test procedure.

**BRC Solar GmbH**

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76275 Ettlingen, Germany

**FRONIUS International GmbH**

Theresienstr. 1

80333 München, Germany

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Name, title

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Name, title

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Signature, date

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Signature, date

**Compatibility M500 & Sigenergy**

|  |                                                 |
|--|-------------------------------------------------|
|  | Full optimization possible                      |
|  | Partial optimization only (max. 50% of modules) |
|  | No Compatibility                                |

| Type                 | MPP1 (A) | MPP2 (A) | MPP3 (A) | MPP4 (A) |
|----------------------|----------|----------|----------|----------|
| SigenStor EC 3.0 SP  | 16       | 16       |          |          |
| SigenStor EC 3.6 SP  | 16       | 16       |          |          |
| SigenStor EC 4.0 SP  | 16       | 16       |          |          |
| SigenStor EC 4.6 SP  | 16       | 16       |          |          |
| SigenStor EC 5.0 SP  | 16       | 16       |          |          |
| SigenStor EC 6.0 SP  | 16       | 16       |          |          |
| SigenStor EC 8.0 SP  | 16       | 16       | 16       |          |
| SigenStor EC 10.0 SP | 16       | 16       | 16       | 16       |
| SigenStor EC 12.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 3.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 3.6 SP  | 16       | 16       |          |          |
| Sigen Hybrid 4.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 4.6 SP  | 16       | 16       |          |          |
| Sigen Hybrid 5.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 6.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 8.0 SP  | 16       | 16       | 16       |          |
| Sigen Hybrid 10.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 12.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 5.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 6.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 8.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 10.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 12.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 15.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 17.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 20.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 25.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 30.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 2.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 3.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 3.6 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 4.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 4.6 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 5.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 6.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 3.0 TP2 | 16       | 16       |          |          |
| Sigen Hybrid 4.0 TP2 | 16       | 16       |          |          |
| Sigen Hybrid 5.0 TP2 | 16       | 16       |          |          |
| Sigen Hybrid 6.0 TP2 | 16       | 16       |          |          |
| Sigen Hybrid 8.0 TP2 | 16       | 16       |          |          |

|                       |    |    |  |  |
|-----------------------|----|----|--|--|
| Sigen Hybrid 10.0 TP2 | 16 | 32 |  |  |
| Sigen Hybrid 12.0 TP2 | 16 | 32 |  |  |

#### Compatibility M600-E & Sigenergy

|  |                                                 |
|--|-------------------------------------------------|
|  | Full optimization possible                      |
|  | Partial optimization only (max. 50% of modules) |
|  | No Compatibility                                |

| Type                 | MPP1 (A) | MPP2 (A) | MPP3 (A) | MPP4 (A) |
|----------------------|----------|----------|----------|----------|
| SigenStor EC 3.0 SP  | 16       | 16       |          |          |
| SigenStor EC 3.6 SP  | 16       | 16       |          |          |
| SigenStor EC 4.0 SP  | 16       | 16       |          |          |
| SigenStor EC 4.6 SP  | 16       | 16       |          |          |
| SigenStor EC 5.0 SP  | 16       | 16       |          |          |
| SigenStor EC 6.0 SP  | 16       | 16       |          |          |
| SigenStor EC 8.0 SP  | 16       | 16       | 16       |          |
| SigenStor EC 10.0 SP | 16       | 16       | 16       | 16       |
| SigenStor EC 12.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 3.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 3.6 SP  | 16       | 16       |          |          |
| Sigen Hybrid 4.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 4.6 SP  | 16       | 16       |          |          |
| Sigen Hybrid 5.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 6.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 8.0 SP  | 16       | 16       | 16       |          |
| Sigen Hybrid 10.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 12.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 5.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 6.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 8.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 10.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 12.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 15.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 17.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 20.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 25.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 30.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 2.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 3.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 3.6 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 4.0 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 4.6 SP2 | 16       | 16       |          |          |
| Sigen Hybrid 5.0 SP2 | 16       | 16       |          |          |



|                       |    |    |  |  |
|-----------------------|----|----|--|--|
| Sigen Hybrid 6.0 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 3.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 4.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 5.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 6.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 8.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 10.0 TP2 | 16 | 32 |  |  |
| Sigen Hybrid 12.0 TP2 | 16 | 32 |  |  |

#### Compatibility M600-M & Sigenergy

|  |                                                 |
|--|-------------------------------------------------|
|  | Full optimization possible                      |
|  | Partial optimization only (max. 50% of modules) |
|  | No Compatibility                                |

| Type                 | MPP1 (A) | MPP2 (A) | MPP3 (A) | MPP4 (A) |
|----------------------|----------|----------|----------|----------|
| SigenStor EC 3.0 SP  | 16       | 16       |          |          |
| SigenStor EC 3.6 SP  | 16       | 16       |          |          |
| SigenStor EC 4.0 SP  | 16       | 16       |          |          |
| SigenStor EC 4.6 SP  | 16       | 16       |          |          |
| SigenStor EC 5.0 SP  | 16       | 16       |          |          |
| SigenStor EC 6.0 SP  | 16       | 16       |          |          |
| SigenStor EC 8.0 SP  | 16       | 16       | 16       |          |
| SigenStor EC 10.0 SP | 16       | 16       | 16       | 16       |
| SigenStor EC 12.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 3.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 3.6 SP  | 16       | 16       |          |          |
| Sigen Hybrid 4.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 4.6 SP  | 16       | 16       |          |          |
| Sigen Hybrid 5.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 6.0 SP  | 16       | 16       |          |          |
| Sigen Hybrid 8.0 SP  | 16       | 16       | 16       |          |
| Sigen Hybrid 10.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 12.0 SP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 5.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 6.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 8.0 TP  | 16       | 16       |          |          |
| Sigen Hybrid 10.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 12.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 15.0 TP | 16       | 16       | 16       |          |
| Sigen Hybrid 17.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 20.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 25.0 TP | 16       | 16       | 16       | 16       |
| Sigen Hybrid 30.0 TP | 16       | 16       | 16       | 16       |

|                       |    |    |  |  |
|-----------------------|----|----|--|--|
| Sigen Hybrid 2.0 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 3.0 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 3.6 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 4.0 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 4.6 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 5.0 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 6.0 SP2  | 16 | 16 |  |  |
| Sigen Hybrid 3.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 4.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 5.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 6.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 8.0 TP2  | 16 | 16 |  |  |
| Sigen Hybrid 10.0 TP2 | 16 | 32 |  |  |
| Sigen Hybrid 12.0 TP2 | 16 | 32 |  |  |