## On-Grid Inverter with Energy Storage

### InfiniSolar E 5.5KW

#### On-Grid Inverter with Energy Storage Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>InfiniSolar E 5.5KW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. PV Input Power</td>
<td>6500W</td>
</tr>
<tr>
<td>Rated Output Power</td>
<td>5500W</td>
</tr>
<tr>
<td>Max. Charging Power</td>
<td>2880 W</td>
</tr>
</tbody>
</table>

#### GRID-TIE OPERATION

**PV INPUT (DC)**
- Nominal DC Voltage / Maximum DC Voltage: 360 VDC / 500 VDC
- Start-up Voltage / Initial Feeding Voltage: 116 VDC / 150 VDC
- MPP Voltage Range: 120 VDC ~ 450 VDC
- Number of MPP Trackers / Maximum Input Current: 2 / 2 x 13 A

**GRID OUTPUT (AC)**
- Nominal Output Voltage: 202/208/220/230/240 VAC
- Output Voltage Range: 184 - 264.5 VAC*
- Max. Output Current: 23.9A*
- Power Factor: > 0.99

#### EFFICIENCY

- Maximum Conversion Efficiency (DC/AC): 96%
- European Efficiency@ Vnominal: 95%

#### OFF-GRID OPERATION

**AC INPUT**
- AC Start-up Voltage / Auto Restart Voltage: 120 - 140 VAC / 180 VAC
- Acceptable Input Voltage Range: 170 - 280 VAC
- Max. AC Input Current: 40 A

**PV INPUT (DC)**
- Max. DC Voltage: 500 VDC
- MPP Voltage Range: 120 VDC ~ 450 VDC
- Number of MPP Trackers / Maximum Input Current: 2 / 2 x 13 A

**BATTERY MODE OUTPUT (AC)**
- Nominal Output Voltage: 202/208/220/230/240 VAC
- Efficiency (DC to AC): 93%

#### HYBRID OPERATION

**PV INPUT (DC)**
- Nominal DC Voltage / Maximum DC Voltage: 360 VDC / 500 VDC
- Start-up Voltage / Initial Feeding Voltage: 116 VDC / 150 VDC
- MPP Voltage Range: 120 VDC ~ 450 VDC
- Number of MPP Trackers / Maximum Input Current: 2 / 2 x 13 A

**GRID INPUT**
- Nominal Output Voltage: 202/208/220/230/240 VAC
- Output Voltage Range: 184 - 264.5 VAC*
- Max. Output Current: 23.9A*

**AC INPUT**
- AC Start-up Voltage / Auto Restart Voltage: 120 - 140 VAC / 180 VAC
- Acceptable Input Voltage Range: 170 - 280 VAC
- Max. AC Input Current: 40 A

**BATTERY MODE OUTPUT (AC)**
- Nominal Output Voltage: 202/208/220/230/240 VAC
- Efficiency (DC to AC): 93%

**BATTERY & CHARGER**
- Nominal DC Voltage: 48 VDC
- Max. Solar Charge Current: 60 A

### PHYSICAL

- Dimension, D x W x H (mm): 110 x 450 x 445
- Weight (kgs): 16

### INTERFACE

- External Safety Box (Optional): RS-232/USB
- Communication: Optional SNMP, Modbus and AS-400 cards available

### ENVIRONMENT

- Humidity: 0 ~ 90% RH (Non-condensing)
- Operating Temperature: 0 to 40°C
- Altitude: 0 ~ 1000 m**

Product specifications are subject to change without further notice.