SSP3119C Series
On-Grid Inverter with Energy Storage

3-5kW

Product Snapshot
Model: 3-5kW
Nominal Voltage: 220/230/240 VAC
Nominal Frequency: 50Hz/60Hz

Key Features:
- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units only for 3k/4k/5k models
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup

<!-- Diagram of the inverter and its connections -->

- Power on/off switch
- Grid connectors
- AC output connectors (Load connection)
- PV connectors
- Battery connectors
- Circuit breaker
- Parallel communication cable
- Current sharing cable
- Dry contact
- RS-232 communication port
- USB communication port
### On/Off Hybrid Solar Inverter

#### SSP3119C Series

**Wall Mounted Integrated Solar Power Inverter Technical Specification**

**Built-in MPPT Solar Controller**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>3k-48</th>
<th>4k-48</th>
<th>5k-48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. PV Array Power</td>
<td>4000W</td>
<td>4000W</td>
<td>6000W</td>
</tr>
<tr>
<td>Rated Output Power</td>
<td>3000W</td>
<td>4000W</td>
<td>5000W</td>
</tr>
<tr>
<td>Maximum PV Array Open Circuit Voltage</td>
<td>145VDC</td>
<td>145VDC</td>
<td>145VDC</td>
</tr>
<tr>
<td>MPPT Range @ Operating Voltage</td>
<td></td>
<td></td>
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<tr>
<td>MPP Tracker Number</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

#### GRID-TIE OPERATION

**GRID OUTPUT (AC)**

- Nominal Output Voltage: 220/230/240 VAC
- Output Voltage Range: 184 - 284.5 VAC
- Nominal Output Current: 13A, 17A, 21.7A
- Power Factor: > 0.99

#### EFFICIENCY

- Maximum Conversion Efficiency (DC/AC): 90%

#### OFF-GRID, HYBRID OPERATION

**GRID INPUT**

- Acceptable Input Voltage Range: 90 - 280 VAC or 170 - 280 VAC
- Frequency Range: 50 Hz/60 Hz (Auto sensing)
- Maximum AC Input Current: 40A

**BATTERY MODE OUTPUT (AC)**

- Nominal Output Voltage: 220/230/240 VAC
- Output Waveform: Pure sine wave
- Efficiency (DC to AC): 93%

**BATTERY & CHARGER**

- Nominal DC Voltage: 48VDC, 48VDC, 48VDC
- Maximum Solar Charge Current: 80A, 80A, 120A
- Maximum AC Charge Current: 60A, 60A
- Maximum Charge Current: 140A, 140A, 180A

#### GENERAL

**INTERFACE**

- Parallel Function: YES, YES, YES
- Communication: USB or RS232/Dry-Contact

**ENVIRONMENT**

- Humidity: 0 ~ 90% RH (No condensing)
- Operating Temperature: 0 to 50°C


**Note:** Product specifications are subject to change without further notice.