RHI-3P(5-10)K-HVES-5G

Solis Energy Storage Inverters

Features:
- Max. efficiency 98.4%
- 2 MPPT and 4 DC input; Max 26A DC input current
- Three operating modes (self-consumption; time-of-use; off-grid back-up) & programmable energy management
- Power supply can be switched automatically and switching time within 40ms
- Ensures AC backup for up to 10kW of continuous power and 16kVA of peak power
- Time of use shifting and peak shaving capabilities to grid
- Solis supply optional arc fault circuit interrupter (AFCI) function
- Intelligent EMS function
- Support three-phase imbalance
- 24-hour fully intelligent energy management system for monitor production and consumption
- Remotely control and upgrade any selected inverter

Model:
RHI-3P5K-HVES-5G  RHI-3P6K-HVES-5G  RHI-3P8K-HVES-5G  RHI-3P10K-HVES-5G
## Datasheet

<table>
<thead>
<tr>
<th>Model Name</th>
<th>RHI-3P5K-HVES-5G</th>
<th>RHI-3P6K-HVES-5G</th>
<th>RHI-3P8K-HVES-5G</th>
<th>RHI-3P10K-HVES-5G</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input DC (PV side)</strong></td>
<td></td>
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<tr>
<td>Max. input power</td>
<td>8kW</td>
<td>9.6kW</td>
<td>12.8kW</td>
<td>16kW</td>
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<tr>
<td>Rated voltage</td>
<td>1000V</td>
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<tr>
<td>Start-up voltage</td>
<td></td>
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<td>160V</td>
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<tr>
<td>MPPT voltage range</td>
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<td>200-850V</td>
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<td>Max. input current</td>
<td>13A/13A</td>
<td>26A/13A</td>
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<td>Max. short circuit current</td>
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<td><strong>Battery</strong></td>
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<td>Battery type</td>
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<td>Battery voltage range</td>
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<tr>
<td>Max. charge/discharge power</td>
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<td>6kW</td>
<td>8kW</td>
<td>10kW</td>
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<td>Max. charge/discharge current</td>
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<td><strong>Output AC (Grid side)</strong></td>
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<tr>
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<td>6kW</td>
<td>8kW</td>
<td>10kW</td>
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<tr>
<td>Max. apparent output power</td>
<td>5kVA</td>
<td>6kVA</td>
<td>8kVA</td>
<td>10kVA</td>
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<td>Rated grid voltage</td>
<td>3/N/PE, 380/400V</td>
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<td>Rated grid frequency</td>
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<td>Rated grid output current</td>
<td>7.6A/7.2A</td>
<td>9.1A/8.7A</td>
<td>12.2A/11.5A</td>
<td>15.2A/14.4A</td>
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<td><strong>Output AC (Back-up)</strong></td>
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<tr>
<td>Max. apparent output power</td>
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<td>6kVA</td>
<td>8kVA</td>
<td>10kVA</td>
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<td>10kVA, 60 sec</td>
<td>12kVA, 60 sec</td>
<td>16kVA, 60 sec</td>
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<td>Rated frequency</td>
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<td>7.6A/7.2A</td>
<td>9.1A/8.7A</td>
<td>12.2A/11.5A</td>
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<td>Max. output current</td>
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<td>10A</td>
<td>13.4A</td>
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<tr>
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<td>Max. efficiency</td>
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<td>DC switch</td>
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<td>Cooling concept</td>
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<td>Max. operation altitude</td>
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<td>Grid connection standard</td>
<td>VDE-AR-N 4105, VDE V 0124, VDE V 0126-1-1, UTE C15-712-1, NRS 097-1-2, G98, G99, EN 50549-1/-2, RD 1699, UNE 206006, UNE 206007-1, CEI 0-21</td>
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<td>Safety/EMC standard</td>
<td>IEC 62109-1/-2, EN 61000-6-2/-3</td>
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<td><strong>Features</strong></td>
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<td>DC connection</td>
<td>MC4 connector</td>
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<td>Quick connection plug</td>
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<td>LCD</td>
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<tr>
<td>Communication</td>
<td>RS485, Optional: Wi-Fi, GPRS</td>
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</table>