ULX Inverter Series

Residential single-phase transformer-based

Range: 1.8, 3.0, 3.6, 4.0 & 5.4 kW

The ULX inverter series features single-phase, transformer-based indoor and outdoor cabinets.

Transformer-based Galvanic Isolation
The ULX inverter is equipped with a transformer that provides galvanic isolation between the AC and DC side. The ULX inverter can also be paired with thin-film panels as the modules can be grounded due to galvanic isolation.

Quality & Reliability
The ULX inverter series relies on over forty years of power electronics expertise to produce the highest quality and most reliable inverters available, continuously updating to meet compliance and regulatory requirements.

Flexibility
Available in both MV and HV input ranges, the ULX inverter series is compatible with a wide variety of modules; thereby limiting potential power losses and assuring the correct string voltage to best optimise total energy output.

The ULX inverter range has one to three string inputs, each with their own independent MPP tracker. Module mismatch losses and losses resulting from partial shading are greatly reduced by running in individual mode.

Additionally, should one string not function optimally, the remaining strings will continue production unaffected.

All ULX inverters run in both individual and parallel mode, depending upon setup configuration. When using identical modules, parallel connection is the optimal choice. The inverter will automatically detect the wiring by running an auto detection algorithm.

Trusted Performance
The ULX inverter series is also compliant in 24 European countries including Low Voltage requirements in Germany. Configuration can be completed on-site, according to country, during set-up. The ULX inverter can deliver reactive power. For Loss of Main detection the ULX inverter utilises Sandia Active Frequency Shift or ROCOF and Impedance Pulse Measurement where required.

Uniquely Designed
Light weight and slim design make the ULX inverter ideal for a wide range of residential installations, as detailed engineering went into the development of both the indoor and outdoor versions - with IP54 housing for outdoor conditions; and silent, natural, convection cooling for indoor use.

Easy Install
The complete installation can be completed without having to open the inverter itself. The setup is performed through the simple and easy to use front panel display.

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## Specification:

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Power DC (W)</th>
<th>Max Power DC (W)</th>
<th>Max recommended PV power at STC</th>
<th>Nominal Power AC (W)</th>
<th>Max Power AC (W)</th>
<th>Max efficiency (%)</th>
<th>Euro efficiency (%)</th>
<th>Power factor</th>
<th>Standby consumption (W)</th>
<th>Night consumption (W)</th>
<th>Voltages:</th>
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</thead>
<tbody>
<tr>
<td>ULX 1800</td>
<td>1800</td>
<td>1950</td>
<td>1950 Wp</td>
<td>1650 W</td>
<td>1800 W</td>
<td>93.70%</td>
<td>91.60%</td>
<td>0.97 at &gt; 20 % load</td>
<td>20 W</td>
<td>&lt; 0.2 W</td>
<td></td>
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<tr>
<td>ULX 3000</td>
<td>3000</td>
<td>3900</td>
<td>3200 Wp</td>
<td>2750 W</td>
<td>3000 W</td>
<td>94.20%</td>
<td>92.90%</td>
<td>0.97 at &gt; 20 % load</td>
<td>8 W</td>
<td>2)</td>
<td></td>
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<tr>
<td>ULX 3600</td>
<td>3600</td>
<td>3900</td>
<td>3900 Wp</td>
<td>3300 W</td>
<td>3600 W</td>
<td>94.20%</td>
<td>93.40%</td>
<td>0.97 at &gt; 20 % load</td>
<td>2)</td>
<td></td>
<td></td>
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<tr>
<td>ULX 4000</td>
<td>4375</td>
<td>5850</td>
<td>4720 Wp</td>
<td>4000 W</td>
<td>4000 W</td>
<td>93.70%</td>
<td>93.70%</td>
<td>0.97 at &gt; 20 % load</td>
<td>5400/5850 Wp, indoor: 5400 Wp</td>
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<td></td>
</tr>
<tr>
<td>ULX 5400</td>
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<td>5850</td>
<td>5400 Wp</td>
<td>5400 W</td>
<td>5400 W</td>
<td>94.30%</td>
<td>94.30%</td>
<td>0.97 at &gt; 20 % load</td>
<td>5400/5850 Wp, indoor: 5400 Wp</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Max: 16 A per string
1) For fixed systems with semi optimal conditions
2) Depending on country setting

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