Ultra-Wide Temperature Protection From -30°C to +65°C (-22°F to 149°F)
UL Listed for operation up to 65°C, Falcon Electric’s SVR-PL Series ultra-high-temperature, double conversion, Precision Voltage Regulator family is unique in the industry. It has been specifically designed to withstand temperature environments that would destroy other products.

 Designed to Provide Reliability and a Long Service Life
We have carefully and precisely designed, selected components and optimized the cooling to create a unit that operates successfully in ultra-wide temperature environments of -30°C to 65°C (-22°F to 149°F).

LED Display & Microprocessor Control
The SVR-PL offers instant access to vital power information through its feature-rich, easy-to-use LED MIMIC graphic display. Through the SVR-PL next-generation microprocessor technology, users can quickly perform various important functions including load segment control, monitoring and setting the output voltage.

Frequency Converter Capability
Thanks to Falcon’s flexible design platform, the SVR-PL can be configured as a frequency converter for worldwide power applications. Accepting a 50/60Hz input and providing a fixed 60Hz or 50Hz output, the SVR-PL supplies a tightly regulated output of ±2% and excellent extended brownout protection.

Optional Wide Temperature Battery Operation
Optional batteries may be installed inside the SVR-PL that were specifically selected due to their ultra-wide operational temperature range of -40°C to 80°C (-40°F to 176°F), far in excess of the maximum 65°C SVR-PL specification. The batteries have a 10-year service life rating when operated in a normal ambient temperature environment of 72°F.

Remote Emergency Power Off (REPO)
The SVR-PL is equipped with an NFPA-70, NEC 645-11 compliant REPO interface assuring easy integration. Remote output receptacle control is an option to REPO, allowing the load segment outlets to be remotely controlled using a wire connected, remote switch.

Advanced Features:
* Convenient Rackmount/Tower Design
* UL Listed for Ultra-Wide Temperature Operation -30°C to +65°C (-22°F to 149°F)
* True Sinewave Output
* Input Power Factor Correction
* Wide Input Voltage Window
* Precision Output Voltage Regulation
* Extended Brownout, Plus Surge & Transient Protection
* Frequency Converter Option
* High Temperature LED Display
* RS-232C, USB & Optional SNMP/HTTP Agent

Falcon Electric, Inc.
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Irwindale, CA 91706
Toll-Free: 800.842.6940
Tel: 626.962.7770
Fax: 626.962.7720
Email: sales@falconups.com
www.falconups.com
## SVR-PL™ Series

### 1kVA - 3kVA

<table>
<thead>
<tr>
<th>Model Number</th>
<th>SVRPL1KRM-1</th>
<th>SVRPL1KRM-2</th>
<th>SVRPL1.5KRM-1</th>
<th>SVRPL1.5KRM-2</th>
<th>SVRPL2KRM-1</th>
<th>SVRPL2KRM-2</th>
<th>SVRPL2.5KRM-1</th>
<th>SVRPL2.5KRM-2</th>
<th>SVRPL3KRM-1</th>
<th>SVRPL3KRM-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal VA</td>
<td>1000</td>
<td>1500</td>
<td>2000</td>
<td>2500</td>
<td>3000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electrical Input

<table>
<thead>
<tr>
<th>Nominal AC Voltage</th>
<th>120Vac</th>
<th>208-240Vac</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Voltage Range</td>
<td>85-138Vac</td>
<td>160 - 276Vac</td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz ± 5% (Auto Tracking)</td>
<td></td>
</tr>
<tr>
<td>Power Factor Correction</td>
<td>&gt; 0.97</td>
<td></td>
</tr>
<tr>
<td>Surge Suppression</td>
<td>IEEE/ANSI C62.41</td>
<td></td>
</tr>
<tr>
<td>Efficiency (Typical)</td>
<td>&gt; 87%</td>
<td></td>
</tr>
</tbody>
</table>

### Electrical Output

<table>
<thead>
<tr>
<th>Watts</th>
<th>700</th>
<th>1050</th>
<th>1400</th>
<th>1750</th>
<th>2100</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Voltage (user programmable)</td>
<td>100, 110, 115 or 120Vac (sinewave)</td>
<td>208, 220, 230 &amp; 240Vac (sinewave)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency</td>
<td>50/60 Hz (Auto Tracking or user programmable fixed 50 or 60Hz modes)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>±5% Synchronized to the input frequency</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Conversion</td>
<td>Optional, please contact the factory</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voltage Regulation</td>
<td>± 2%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step Load Change</td>
<td>± 7% for 100% load variation, recovery in 5ms</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harmonic Distortion</td>
<td>&lt; 3% Linear Load, &lt; 5% Non-Linear Load</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overload</td>
<td>150% for 10 seconds, 110% for 20 seconds, 105% for 50 seconds</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crest Ratio</td>
<td>3:1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electrical Connections

<table>
<thead>
<tr>
<th>Input</th>
<th>6 Foot Cord with 5-15P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output</td>
<td>(8) 5-15R &amp; (1) L5-20R &amp; (8) IEC320</td>
</tr>
</tbody>
</table>

### Environmental

<table>
<thead>
<tr>
<th>Temperature (operating &amp; storage)</th>
<th>-30º C to +65º C (-22º F to +149º F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humidity</td>
<td>10% to 95% Non-Condensing</td>
</tr>
<tr>
<td>Altitude</td>
<td>10,000 Feet (3000 meters) without derating</td>
</tr>
<tr>
<td>Audible Noise @ 1 Meter</td>
<td>Audible Noise @ 1 Meter &lt;50dBA</td>
</tr>
<tr>
<td>Shock &amp; Vibration Withstand</td>
<td>Passed U.S. Army Munson Road Test Shock and Vibration Profile Testing</td>
</tr>
</tbody>
</table>

### Controls and Indicators

| LED Display | MIMIC Graphical Display, Input/Output Voltage, Frequency & Load, Alarm, Programmable settings |
| Audible Alarms | Over/Under Voltage, Over/Under Frequency, High Temp., Over Load, Fault Alarm |
| Communications | USB Port, RS-232 Serial Port, Optional SNMP/HTTP Agent Board (USB & Optional SNMP/HTTP Agent may be used concurrently) |

### Mechanical

<table>
<thead>
<tr>
<th>Dimensions UPS</th>
<th>H x W x D</th>
<th>Weight</th>
<th>Agency Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2U Rackmount)</td>
<td>3.5 x 16.8 x 18.8 (88 x 426.7 x 477.5)</td>
<td>31 (14.07)</td>
<td>-1 Models UL 1778 Listing, CUL, FCC Class B, -2 Models CE, UL 1778 Listing, CUL</td>
</tr>
</tbody>
</table>

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*SVR-PL™ Series 1kVA - 3kVA*

**Model Number**
- SVRPL1KRM-1
- SVRPL1KRM-2
- SVRPL1.5KRM-1
- SVRPL1.5KRM-2
- SVRPL2KRM-1
- SVRPL2KRM-2
- SVRPL2.5KRM-1
- SVRPL2.5KRM-2
- SVRPL3KRM-1
- SVRPL3KRM-2

**Nominal VA**
- 1000
- 1500
- 2000
- 2500
- 3000

**Electrical Input**
- Nominal AC Voltage: 120Vac, 208-240Vac
- AC Voltage Range: 85-138Vac, 160 - 276Vac
- Frequency: 50/60 Hz ± 5% (Auto Tracking)
- Power Factor Correction: > 0.97
- Surge Suppression: IEEE/ANSI C62.41
- Efficiency (Typical): > 87%

**Electrical Output**
- Watts: 700, 1050, 1400, 1750, 2100
- AC Voltage (user programmable): 100, 110, 115 or 120Vac (sinewave), 208, 220, 230 & 240Vac (sinewave)
- Frequency: 50/60 Hz (Auto Tracking or user programmable fixed 50 or 60Hz modes)
- Frequency Stability: ±5% Synchronized to the input frequency
- Frequency Conversion: Optional, please contact the factory
- Voltage Regulation: ± 2%
- Step Load Change: ± 7% for 100% load variation, recovery in 5ms
- Harmonic Distortion: < 3% Linear Load, < 5% Non-Linear Load
- Overload: 150% for 10 seconds, 110% for 20 seconds, 105% for 50 seconds
- Crest Ratio: 3:1

**Electrical Connections**
- Input: 6 Foot Cord with 5-15P
- Output: (8) 5-15R & (1) L5-20R & (8) IEC320

**Environmental**
- Temperature (operating & storage): -30º C to +65º C (-22º F to +149º F)
- Humidity: 10% to 95% Non-Condensing
- Altitude: 10,000 Feet (3000 meters) without derating
- Audible Noise @ 1 Meter: Audible Noise @ 1 Meter <50dBA
- Shock & Vibration Withstand: Passed U.S. Army Munson Road Test Shock and Vibration Profile Testing

**Controls and Indicators**
- LED Display: MIMIC Graphical Display, Input/Output Voltage, Frequency & Load, Alarm, Programmable settings
- Communications: USB Port, RS-232 Serial Port, Optional SNMP/HTTP Agent Board (USB & Optional SNMP/HTTP Agent may be used concurrently)

**Mechanical**
- Dimensions UPS: (2U Rackmount) 3.5 x 16.8 x 18.8 (88 x 426.7 x 477.5)
- Weight: 31 (14.07) lb, 32 (14.5) kg
- Agency Listing: -1 Models UL 1778 Listing, CUL, FCC Class B, -2 Models CE, UL 1778 Listing, CUL

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