Isolated DC-DC Converter 100~250W

Typical Efficiency 80%
High input voltage 100 – 1000V
Surge, OC, OV, SC protected
Meet EN60950, RoHS 5/6

Input Characteristic

Default Input Voltage Range
- 600V  200 - 1000VDC
- 350V  100 - 600VDC

Input Reverse Protection:  No
Input Under Voltage Protection: Yes
Output SC protection: output will shut down. When SC happens, disconnect input, and then wait 1 minute to reconnect input to restart the converter

Output Voltage: 24 VDC
Output Current: 0 - 10 A

Output Characteristic

Typical Efficiency:  85%
Ripple p-p:  100mV
Load Regulation:  0.4%
Line Regulation:  0.2%
Dynamic response:  ±5.0/500us%
Short-circuit Protection:  110-130% of rated output
Start Time Delay:  ≤5S
Temperature co-efficiency:  ±0.02%/℃

Other info

Operating temperature: -25℃ ~ +65℃
Max Allowed Case Temperature:  100℃

Insulation:
- Input-Output Input-Case Output-Case: 100M Ohm @500V
- Noise:  ≤ 55dB (full load)
- ESD: Level3  Direct ±6KV; Air ±8KV
- Surge: Differential 1KV; Common 2KV

Storage Temperature:
- Industrial -40℃ ~ +85℃

Storage Humidity:  10-95%

Isolation Voltage:
- Input - Output  3000 VDC  ≤10mA/1min *
- Input - Case  2000 VDC  ≤10mA/1min
- Output - Case  500VDC  ≤10mA/1min

MTBF:  100000Hrs
Case Material:  Metal

www.current-logic.com
Contact: sales@current-logic.com
Isolated DC-DC Converter 100~250W

Ordering Information:

**CLS □ - □ S □ 24**

Rated Power | Mean Input Voltage (600V or 350V)
--- | ---

Example:

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Output Voltage</th>
<th>Max Output Current / Power</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>600V (200-1000VDC)</td>
<td>24V</td>
<td>100W</td>
<td>CLS100-600S24</td>
</tr>
<tr>
<td>350V (100-600VDC)</td>
<td>24V</td>
<td>100W</td>
<td>CLS100-350S24</td>
</tr>
<tr>
<td>600V (200-1000VDC)</td>
<td>24V</td>
<td>200W</td>
<td>CLS200-600S24</td>
</tr>
</tbody>
</table>

Dimensions:

L (160mm) * W (98mm) * H (40mm)

Application Example (CLS100 - 600S24)

Solar Panels (PV)

Load Device

Input range: 200-1000 VDC

Contact: sales@current-logic.com

www.current-logic.com