

Isolated DC-DC Converter

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

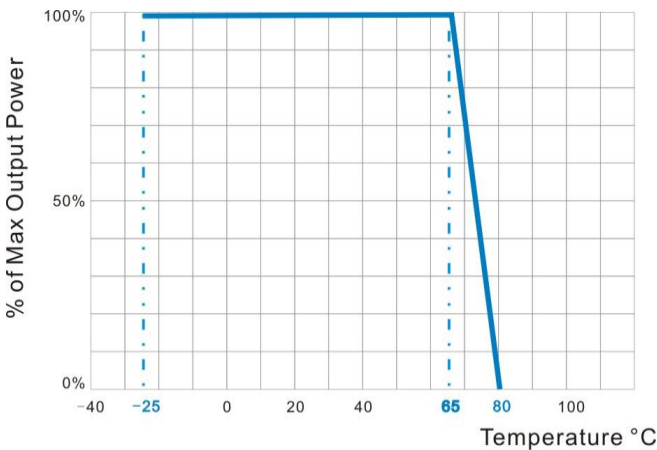
Input Under Voltage Protection: Yes

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

Temperature performance:



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%/°C

Other info

Operating temperature: -25°C ~ +65°C

Max Allowed Case Temperature: 100°C

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°C ~ +85°C

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

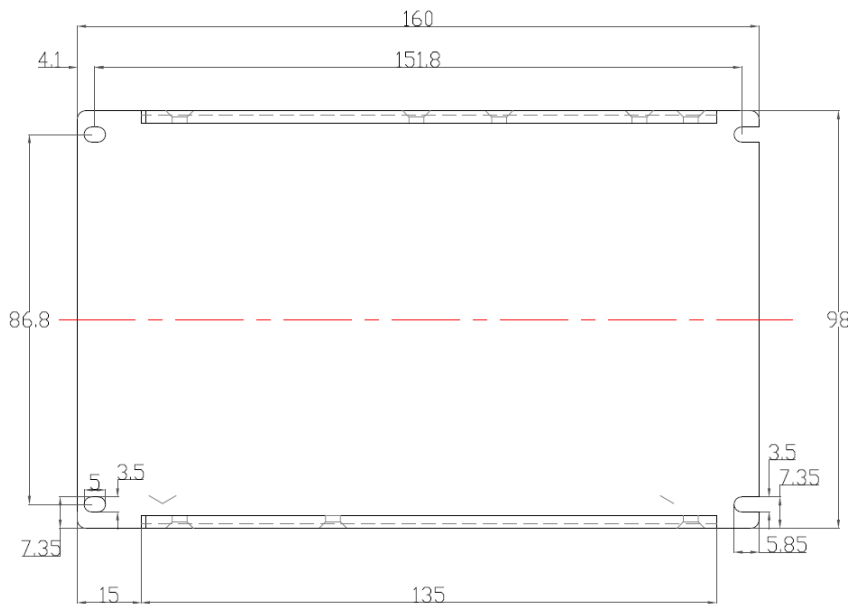
Ordering Information:

CLS - **S 24**
 Rated Power Mean Input Voltage (600V or 350V)

Example:

Input	Output	Max Output Current / Power	Model
600V (200~1000VDC)	24V	100W	CLS100-600S24
350V (100~600VDC)	24V	100W	CLS100-350S24
600V (200~1000VDC)	24V	200W	CLS200-600S24

Dimensions:



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

Application Example (CLS100 - 600S24)

