

Isolated DC-DC Converter

Typical Efficiency 90%

Wide input voltage 200 – 1500V

Surge, OC, OV, SC protected

Meet EN60950, RoHS 5/6



RoHS

CE

Input Characteristic

Default Input Voltage Range

600V 200 - 1000VDC

1000V 500 - 1500VDC

Input Reverse Protection: No

Input Under Voltage Protection:

1000V trigger: 420~460V

600V trigger: 170~195V

Short circuit protection:

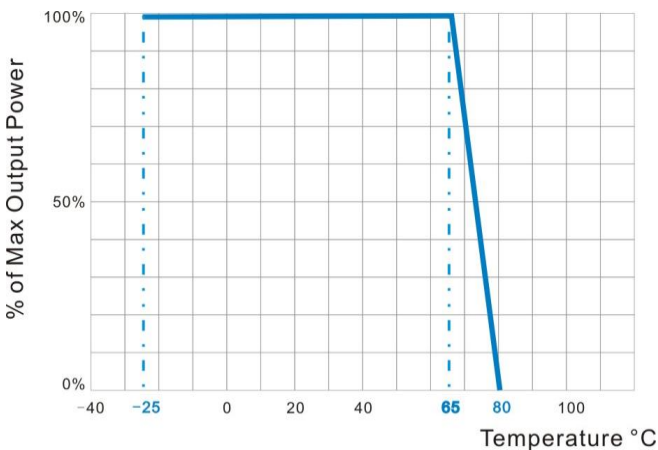
Trigger: 22-27A output. Over current will cause output voltage drop. When output <10V, output will shut down.

Recover: disconnect the input for 3 minute, then reconnect input

Output Voltage: 24 VDC

Output Current: 0 - 21 A

Temperature performance:



Output Characteristic

Typical Efficiency:	90%
Ripple p-p:	≤500mV
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 ~ +75°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 2KV; Common 4KV

Storage Temperature:

Industrial -40°C ~ +85°C

Storage Humidity: 10-95%

Isolation Voltage:

Input - Output 4000 VDC ≤10mA/1min *

Input - Case 4000VDC ≤10mA/1min

Output - Case 1050VDC ≤10mA/1min

MTBF:

200000Hrs

Case Material:

Metal

Ordering Information:

CLS - **S 24**
 Rated Power Mean Input Voltage (600V or 1000V)

Example:

Input	Output	Max Output Current / Power	Model
600V (200~1000VDC)	24V	500W	CLS 500 -600S24
1000V (500~1500VDC)	24V	500W	CLS 500 -1000S24

Dimensions:



L (260mm) *W (128mm) *H (70mm)
 Weight ~2.4 kg