

Isolated DC-DC Converter

Typical Efficiency 90%

Wide input voltage 600 – 1100V

Surge, OC, OV, SC protected

Meet EN60950, RoHS 5/6



Input Characteristic

Default Input Voltage Range

900V 700 - 1100 VDC

750V 500 - 1000 VDC

Input Reverse Protection: No

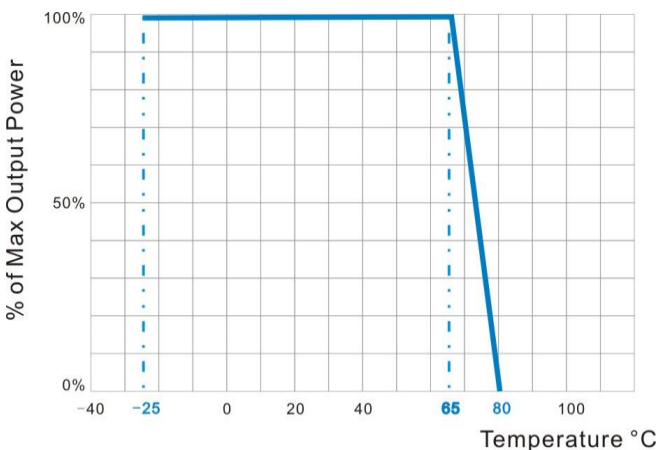
Input Under Voltage Protection: YES

Short circuit protection:

Trigger: Over 110% of max current will cause output voltage drop. When output <10V, output will shut down.

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

Temperature performance:



Output Characteristic

Typical Efficiency:	93%
Ripple p-p:	≤200mV
Load Regulation:	0.4%
Line Regulation :	0.2%
Dynamic response:	±5.0/500us%
Short-circuit Protection:	110-130% of rated output
Start Time Delay:	≤4S
Temperature co-efficiency	±0.02%/°C

Other info

Operating temperature: -40°C ~ +75°C

Cooling: Built-in Fan

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 *

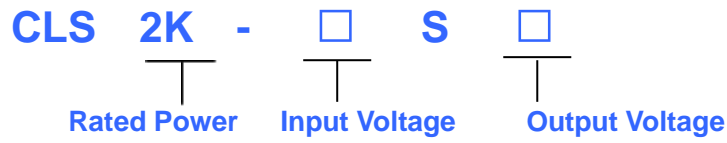
Input - Case 3000VDC ≤10mA/1min

Output - Case 1050VDC ≤10mA/1min

MTBF: 200000Hrs

Case Material: Metal

Ordering Information:

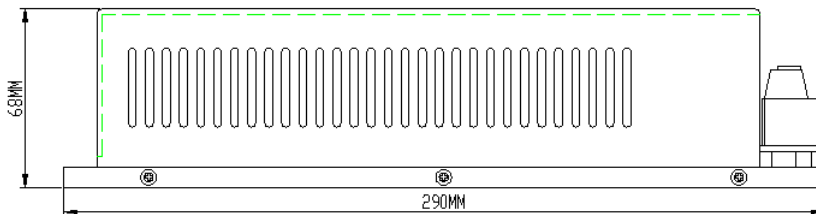
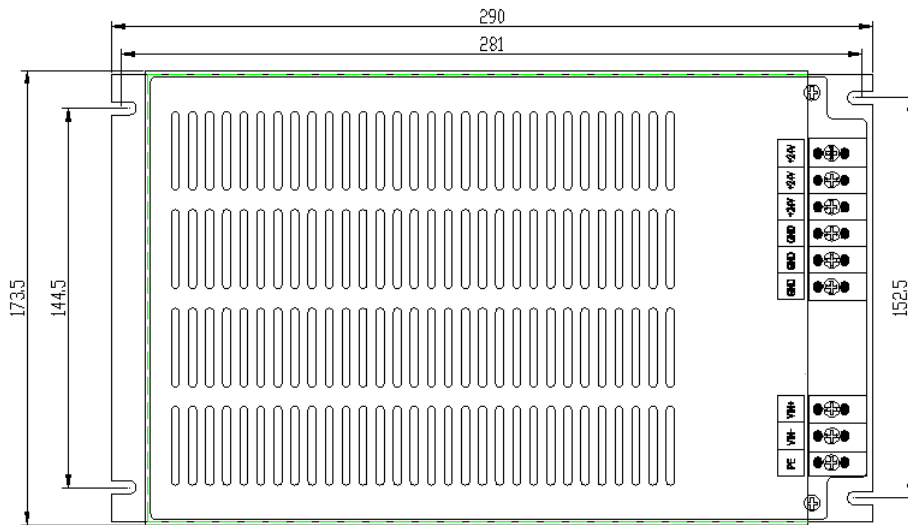


Example:

Input	Output	Max Output Current / Power	Model
500V (200~900VDC)	24V	2000W	CLS 2K -500S24
900V (700~1100VDC)	24V	2000W	CLS 2K -900S24
900V (700~1100VDC)	52V	2000W	CLS 2K -900S52
750V (500~1000VDC)	24V	2000W	CLS 2K -750S24
750V (500~1000VDC)	52V	2000W	CLS 2K -750S52
750V (500~1000VDC)	48V	2000W	CLS 2K -750S48

Input/Output voltage can be customized.

Dimensions:



L (290mm) *W (173.5mm) *H (68mm)

Weight ~3.8 kg