

Ultra Small: 18 x 11 x 5 CM, < 2 kg

5KW (Can connect in parallel for higher power)

600-1000 VDC input

Surge, OC, OV, SC protected

Meet EN60950, RoHS 5/6



Input Characteristic

Default Input Voltage Range

700V 620 - 810 VDC

800V 750 - 1000 VDC

900V 850 - 1050 VDC

Input Reverse Protection: No

Input Under Voltage Protection: Yes

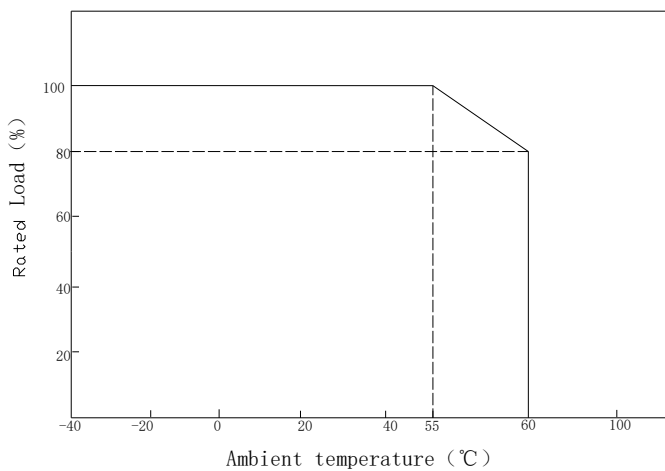
Output SC protection: output will shut down. When S happens, disconnect input, and then wait 1 minute to reconnect input to restart the converter

Output Voltage: 50 VDC

Output Current: 0 - 100 A

Back-up battery for input: Yes

Temperature performance:



Output Characteristic

Typical Efficiency: >97%

Ripple p-p: <500mV

Load Regulation: 0.4%

Line Regulation : 0.2%

Dynamic response: ± 5.0/500us%

Short-circuit Protection: 105-115% of rated output

Start Time Delay: ≤3S

Temperature co-efficiency ±0.02%/°C

Other info

Operating temperature: -40°C ~ +55°C

Safety requirements and EMC

Parameter	Requirements	
Hi-pot	Input to secondary	≤5mA@3000Vdc/1min
	Input to earth ground	≤5mA@2000Vdc/1min
	Output to earth ground	≤5mA@500Vdc/1min
Insulation Withstand	Input to output	≥100MΩ@500Vdc
	Input to case	≥100MΩ@500Vdc
	Output to case	≥100MΩ@500Vdc
ESD Susceptibility	LEVEL 3	
Contact discharge (ESD)	LEVEL 3	
Fast Transient (EFT/B)	LEVEL 2	
Surge	Surge: Differential 1KV ; Common 2KV	

Ordering Information:

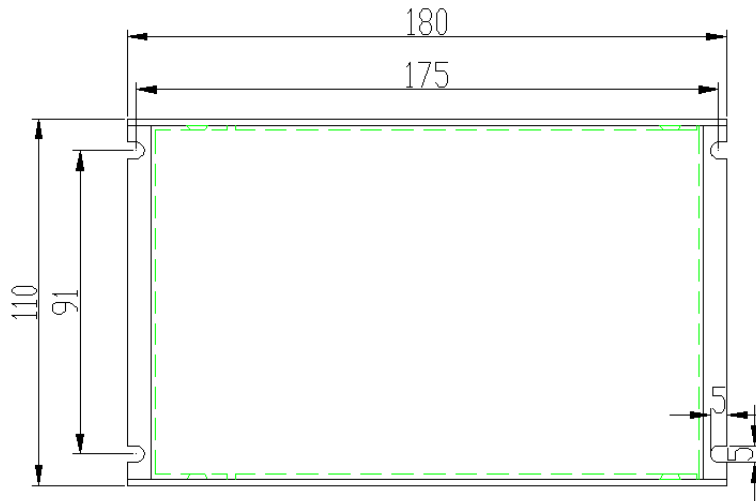
CLS - **S 50**

Rated Power(5KW)
Mean Input Voltage

Example:

Input	Output	Max Output Current / Power	Model
700V (620~810VDC)	50V	5000W	CLS 5K -700S50
900V (850~1050VDC)	50V	5000W	CLS 5K -900S50
800V (750~1000VDC)	50V	5000W	CLS 5K -800S50

Dimensions:



L (180mm) *W (110mm) *H (48mm)