

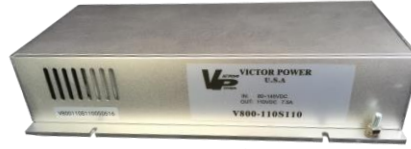


Victor Power Technologies

Global DC/DC Converter Manufacturer

V800-110S110

800 Watts



(The above photos for reference only, the final prototype may use different case)

**800W SINGLE OUTPUT
ISOLATED & REGULATED
HIGH EFFICIENCY
HIGH DENSITY
MODULE PACKAGE STYLE**

- Efficiency up to 90%
- High Voltage Input & Output
- 500VDC Isolation
- Over Voltage & Current Protection
- RoHS

Product Program

Part Number	Input		Output		Efficiency (% , Typ)
	Nominal	Range	Voltage (VDC)	Current (A)	
V800-110S110	110	77 ~ 140	110	7.2	90

ISOLATION SPECIFICATIONS

Item	Max	Units
Isolation voltage	500	VDC
	1000	VAC

COMMON SPECIFICATION

Efficiency		90%
Switching frequency		300KHz
Case material		Aluminum
Base material		Aluminum base plate
Potting material		Non-Potting
Dimensions		< 265mmx135mmx55mm
Weight		< 2.7Kg
MTBF	MIL – HDBK-217F2	> 1.0 x 10 ⁵ hrs (not include fan)

OUTPUT SPECIFICATION

Output power		>792 Watts
Voltage accuracy	Full load and nominal Vin	± 1%
Line regulation	LL to HL at Full Load	± 0.5%
Load regulation	10% to 100% FL	± 1%
Ripple and noise	20MHz bandwidth	< 1%
Temperature coefficient		< ±0.02% / °C
Transient response recovery time	25% load step change	400uS
Output voltage adjustment		±10%
Over voltage protection	Hiccup, automatics recovery	115VDC ~ 125VDC
Below voltage protection	Hiccup, automatics recovery	Hiccup, automatics recovery
Over current protection	Hiccup, automatics recovery	105% ~ 135%
Short circuit protection	Hiccup, automatics recovery	
Over temperature protection	Hiccup, automatics recovery after Temperature drop	+90°C ~ ±5°C

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-25°C ~ +50°C
Maximum case temperature	+85°C
Storage temperature range	-40°C ~ +85°C
Cooling	Fan
Vibration	10~55Hz, 0.35mm
Relative humidity	< 90% RH
Altitude	Base on 2000 m
Grounding	Grounding contact recommend > 1.5 m ²