

FEATURES :

- Universal Input 90~264VAC
- High Efficiency at 93% Typical
- Protection: Short Circuit / Overload / Over Voltage / Over Temperature
- Built-in Active PFC Function
- 5" x 3" Miniature Size
- No Load Power Consumption <0.5W
- 3 Years Warranty

Specifications typical at TA=25°C, nominal input voltage and rated output current unless otherwise specified

Part Number	Output Voltage	Output Current	Ripple & Noise	Efficiency	Output Power(W)
	V	MAX	mVp-p(Max) (note)	%(TYP)	Rated
GB200-S12	12	16.7A	200	92	200.4
GB200-S15	15	13.4A	200	92	201
GB200-S24	24	8.4A	250	93	201.6
GB200-S27	27	7.5A	250	93	202.5
GB200-S48	48	4.2A	350	93	201.6

Input Specifications

Parameters	Conditions	Min	Typ	Max	Units
Rated input voltage	Io nom		100-240		Vac
Voltage Range	Io nom	90		264	Vac
	Io nom	127		370	Vdc
Frequency		47	50/60	63	Hz
Inrush Current	At 115Vac			30	A
	At 230Vac			60	A
Input Over-Current Protection	VDE/UL/CCC FUSE 3.15A/250V				
Power Factor	PF> 0.93 / 230Vac PF> 0.98 /115Vac at full load				

Output Specifications

Parameters	Conditions	Min	Typ	Max	Units
Output Voltage Accuracy	Vi nom, Io nom			±2	%
Minimum Load	Vi nom	0			
Line Regulation	Io nom, Vi min...Vi max		±1.0		%
Load Regulation	Vi nom, Io min...Io nom		±2.0		%
Protection	Overload	115% -150% rated output power			
		Protection type: Shut off o/p voltage, re-power on to recover			
	Over Voltage	120%-150% rated output Voltage			
		Protection type: Shut off o/p voltage, re-power on to recover			
Short circuit	Protection type: Shut off o/p voltage, re-power on to recover				
Over temperature	Protection type: Shut off o/p voltage, re-power on to recover				

Note :
Ripple & noise is measured by using 20 MHz bandwidth, measured with a 47uf paralleled with a high-frequency 0.47uf capacitor across each output by full load.

YUAN DEAN SCIENTIFIC



AC-DC Converter

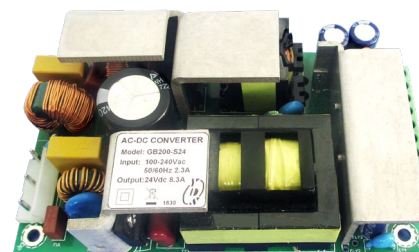
GB200 SERIES

200Watt

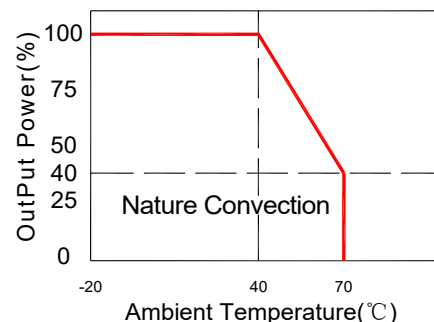
3KVac Isolated

Single Output

Open Frame



Derating Curve



General Specifications

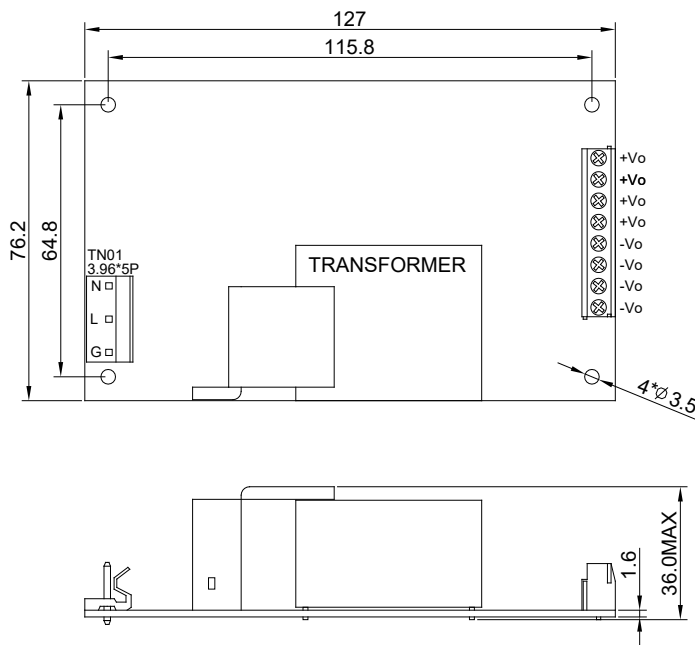
Parameters	Conditions	Min	Typ	Max	Units
MTBF	MIL-HDBK-217F(25°C)	100,000			Hrs
	Input To Output	3000V AC 5mA/5Secs			
Isolation Voltage	Input To Ground	2000V AC 5mA/5Secs			
	Output To Ground	500V AC 5mA/5Secs			
Size		127x76.2x36.0(5.0x3.0x1.42)			mm (inches)
Weight			327		g
Operating Temperature	With Derating	-20		+70	°C
Storage Temperature		-45		+85	°C

Part Number

GB200 - S 12
A B C

- A : Series
- B : Single Output
- C : Output Voltage

Markings and Dimensions



UNIT: mm, unless otherwise specified, all tolerances are ±0.50

Output Derating VS Input Voltage

