COTEK

75W Single Output Power Supply GE-75 series

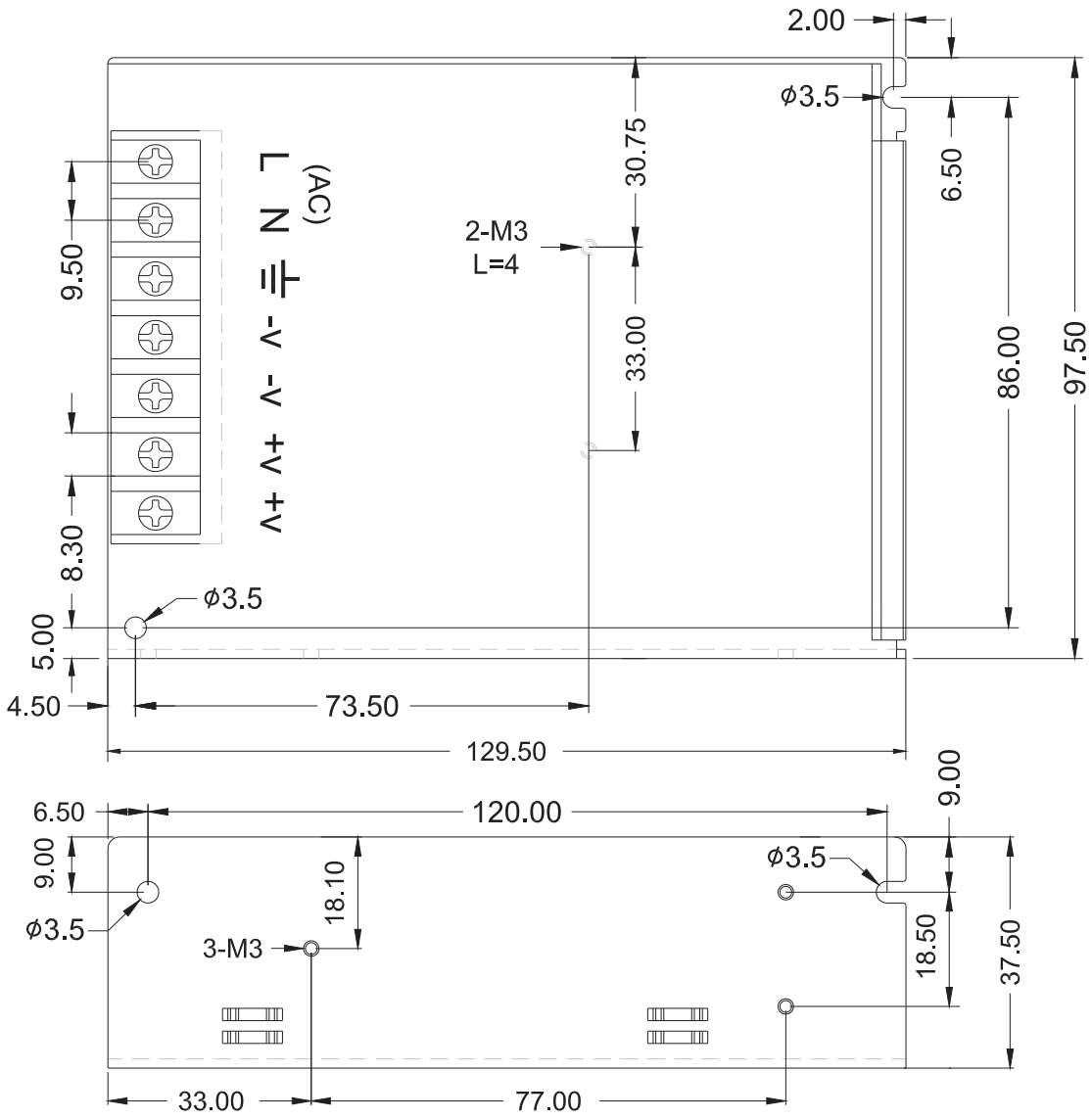
Features :

- Green design, No-load power consumption < 0.5W
- Universal AC input / Full range
- Protections: Short circuit / Over load / Over voltage
  Brown-out (Low AC Input voltage)
- Cooling by free air convection
- Power ON with LED indicator
- All using 105°C long life electrolytic capacitors
- High operation temperature up to 70°C
- 100% full load burn-in test
- Withstand 5G vibration test
- High efficiency , long life and high reliability
- 3 years warranty

MODEL		GE-75-3.3	GE-75-05	GE-75-12	GE-75-15	GE-75-24	GE-75-48
OUTPUT	DC Voltage Range	3.3V	5V	12V	15V	24V	48V
	Rated Current	15A	15A	6A	5A	3.2A	1.6A
	Current Range	0 ~ 15A	0 ~ 15A	0 ~ 6.25A	0 ~ 5A	0 ~ 3.2A	0 ~ 1.6A
	Rated Power	49.5W	75W	75W	75W	76.8W	76.8W
	Ripple & Noise (max.)	150 mv	150 mv	150 mv	150 mv	150 mv	200 mv
	Voltage Adjustment Range	±10%					
	Voltage Tolerance	±3%	±2%	±1%	±1%	±1%	±1%
	Line Regulation	±0.5%					
	Load Regulation	±3.0%	±2.0%	±0.5%	±0.5%	±0.5%	±0.5%
	Setup, Rise Time	800ms, 80ms/230VAC 1000ms, 80ms/115VAC at full load					
	Hold Up Time	> 32ms / 230VAC >10ms / 115VAC at full load					
INPUT	Voltage Range	88V ~ 264VAC 125 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)					
	Frequency Range	50Hz / 60Hz					
	Efficiency (Typ.) at 230Vac	79%	83%	87%	87%	88%	90%
	AC Current (Typ.)	2 A / 115VAC 1A / 230VAC					
	Inrush Current (Typ.)	Cold Start 40A / 230VAC					
	Leakage Current	< 2mA / 240VAC					
Protection	Over Load	> 110 % rated output power					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	Over Voltage	115% ~ 150% rated output voltage (115%~175%:only GE-75-3.3)					
		Protection type : latch-off mode					
Environment	Working Temp.	-25°C ~ 70°C (Refer to output load de-rating curve)					
	Working Humidity	20 ~ 90% RH non-condensing					
	Storage Temp., Humidity	-40 ~ +85°C 10 ~95% R.H					
	Temp.Coefficient	±0.03%/°C (0 ~ 50°C)					
	Vibration	10 ~ 500Hz, 5G 10min/1cycle, period for 60 min each along X,Y,Z axes					
Safety & EMC	Safety Standards	UL 60950-1, 2nd Edition, TUV EN60950-1 : 2006+A11 Approved					
	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC) I/P - FG: 1.5KVAC (2121 DC) O/P-FG: 0.5KVAC (707 DC), 1 minute					
	Isolation Resistance	I/P - O/P, I/P - FG, O/P - FG: 100M Ohms / 500VDC					
	EMI Conduction & Radiation	EN55022 : 1998+A1 : 2000+A2 : 2003 Class B					
	Harmonic Current	EN61000-3-2: 2000+A2: 2005 Class A, EN61000-3-3 : 1995+A1: 2001					
	EMS Immunity	EN61204-3: 2000, EN55024: 1998+A1: 2001+A2: 2003 light industry level, criteria A					
Others	MTBF	265K HRS Compliance: MIL-HDBK-217F					
	Dimension (L*W*H)(mm)	129x98x38					
	Packing	0.45kg ; 30Pcs/15kg					
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47 uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 6. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 7. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time						

Mechanical Specification

Unit:mm



Derating Curve