TRONCO QE Series 75W Single Output Power Supply

Features :

- 90 ~ 264 VAC Universal AC input full range
- Low cost but high reliability
- High efficiency up to 88% (typ)
- Free Air Convection
- Ultra compact size : 4" / 2"
- Green mode function <0.5W
- High Power Density
- Full load burn-in test
- 2 years warranty

MODEL NO.		QE-75-05	QE-75-12	QE-75-15	QE-75-24	QE-75-30	QE-75-48
OUTPUT	DC Voltage Range	5 V	12 V	15 V	24V	30 V	48 V
	Min. Load	0 A	0 A	0 A	0 A	0 A	0 A
	Max. Load	7 A	5 A	4.3 A	3.1 A	2.5 A	1.6 A
	Regulation	±2%	±2%	±2%	±2%	±2%	±2%
	Ripple Noise (MAX.)①	± 100 mV	± 120 mV	± 150 mV	± 240 mV	± 300 mV	± 480 mV
	Efficiency (TYP.)②	82%	85%	85%	88%	88%	88%
	Voltage Adjust Range	±2%	±2%	±2%	±2%	±2%	±2%
	Output Power (MAX)	35 W	60 W	65 W	75 W	75W	75W
INPUT	Voltage	90 ~ 264 VAC Universal AC input full range or 127 ~ 373 VDC					
	Frequency	47 ----- 63 Hz					
	Current	<2A@115V AC input, <1A@230 AC input , full load condition					
	Inrush Current	<30A@115 V AC input <60A@230V AC input					
	Leakage Current	<2.5mA@264V AC input					
PROTECTION	Over Voltage	7 ~ 9V	15 ~ 19V	18 ~ 23V	28 ~ 34V	34 ~ 38V	57 ~ 65V
		Shutdown output voltage , re-power on to recover					
	Over Load	105% ~ 150% Hiccup, recovery automatically after fault condition is removed					
	Short Circuit	Auto recovery					
ELEC. CHAR.	Rise Time	<20ms					
	Hold up Time	>16ms@230V, full load condition					
	Setup Time	<1000ms@230V					
	Green Mode Function	Power consumption at No load < 0.5W at 230VAC input					
ENVIRONMENT	Temperature	Operating: -40 ~ +70°C ; Derating: Ref Derating curve ; Storage: -50~ +85°C					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
SAFETY & EMC	Safety Standard	Design refer to UL 60950-1, TUV EN 60950-1,					
	EMI	Design refer to EN 55022 CLASS B.					
	EMS	Design refer to EN 61000-4-2,3,4,5,6,8,11					
OTHERS	Withstand Voltage	I/P-O/P:3KVAC, I/P-PE:1.5KVAC					
	Cooling	Natural Cooling.					
	M.T.B.F.	130K hours					

NOTE:

① Ripple & noise are measured at 20MHz of bandwidth by using a 12" twised pair-wire & parallel a 0.1uF & 47uF capacitor.

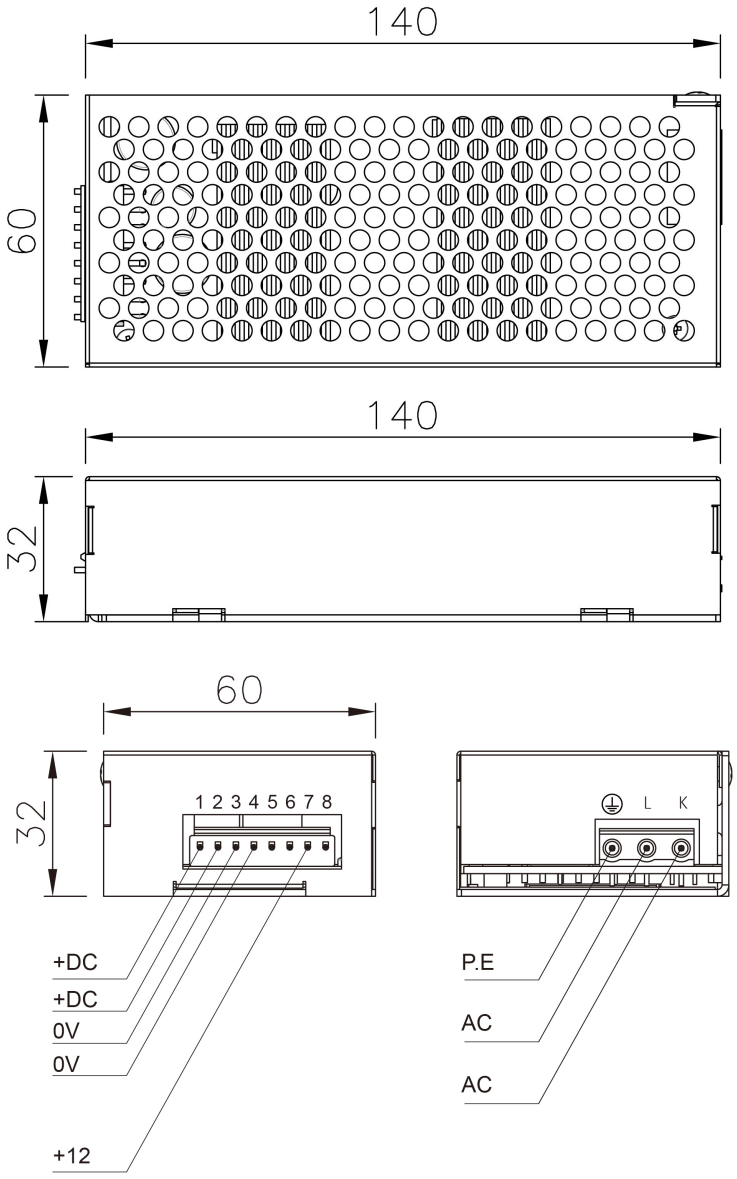
② Efficiency are measured at 230VAC input / 25°C, Unless otherwise specified, the test condition is at 230VAC input / 25°C.

* Specifications subject to change without notice.

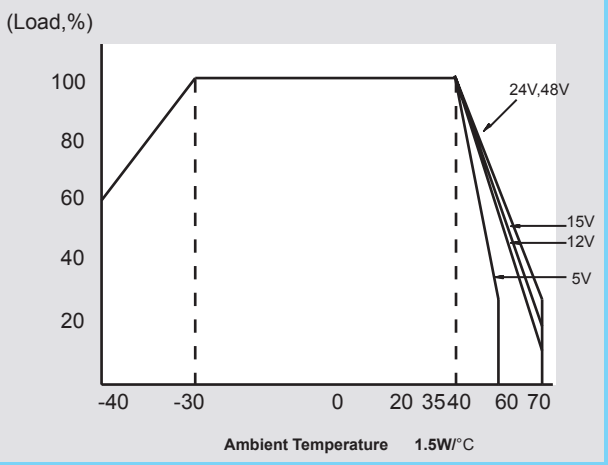
Mechanical Specification

Unit: mm

Tolerance: ± 0.5mm



Derating Curve



Static Characteristics