

Country of Origin : Taiwan
 Operating Temperature : -10 ~ 60° C
 Dimension : 159 x 97 x 38 mm
 Approvals / Marks : UL, c-UL, CE



Features:

Universal AC input / full range
 Cooling by free air convection
 Over load, over voltage, short circuit protection
 100% full load burn-in test
 1 year warranty

Specification:

MODEL		Q-60B				Q-60C				Q-60D			
		V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4
OUTPUT	Voltage	5V	12V	-5V	-12V	5V	15V	-5V	-15V	5V	12V	24V	-12V
	min. Load	0.5A	0.1A	0A	0A	0.5A	0.1A	0A	0A	0.5A	0.1A	0.1A	0A
	max. Load	8A	3A	1A	1A	8A	3A	1A	1A	8A	3A	1.5A	1A
	Tolerance	± 2%	± 6%	± 5%	± 5%	± 2%	+8,-4%	± 5%	± 5%	± 2%	± 6%	+8,-4%	± 5%
	Ripple & Noise (max)	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	100mV	120mV	150mV	120mV
Efficiency (typ)		70%				72%				75%			
Max. Output Power		60W				60W				62W			
Output Voltage adjustment range		CH1: -5 ~ +10% of rated output voltage											
INPUT	Voltage	85 ~ 264VAC / 120 ~ 370VDC Universal input											
	Frequency	47 ~ 63 Hz											
	Current	2A@115VAC / 0.8A@230VAC											
	Inrush Current	<18A@115VAC / <36A@230VAC, Cold start											
	Leakage Current	<1mA@240VAC											
P.F.C.		-											
PROTECTION	Over Load	105 ~ 150%/115VAC Hiccup mode, auto recovery											
	Over Voltage	CH1: 5.15 ~ 6.75V Hiccup mode, auto recovery											
	Over Temp.	-											
	Short Circuit	Yes											
OTHERS	Setup time	< 800ms@230VAC / < 1600ms@115VAC , full load											
	Rise time	< 20ms@230VAC / < 20ms@115VAC , full load											
	Holdup time	> 60ms@230VAC / > 12ms@115VAC , full load											
	Cooling	free air convection											
	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC / 1 minute											
Isolation Resistance		I/P-O/P, I/P-FG, O/P-FG : 500VDC / 100M Ohm											
Switching Frequency		35KHz (fixed)											
Environment	Temperature	Operating: -10 ~ 60°C / Derating: -10 ~ 0°C: 2%/°C , 45 ~ 60°C: 2.6%/°C / Storage: -20 ~ 85°C											
	Humidity	Operating: 20 ~ 90% RH / Storage: 10 ~ 95% RH											
Connection		8P/ 8.25mm pitch terminal block											
M.T.B.F.		> 284K hours (according to MIL-HDBK-217F at 25°C environment)											
SAFETY		Approved: UL 1950											
EMC	EMI	EN55022 CLASS B / EN61000-3-2,3											
	EMS	EN61000-4-2,3,4,5,6,8,11 / ENV50204											
WEIGHT		N.W.: 0.56 kg/pc											