



MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

IQ-60

SERIES

- .COMPACT SIZE, LIGHT WEIGHT
- .INTERNATIONAL AC INPUT RANGE
- .EACH OUTPUT CH1, CH2, CH3 & CH4 IS ISOLATED
- .HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- .SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- .SHORT CIRCUIT, OVERLOAD, OVER VOLTAGE PROTECTED

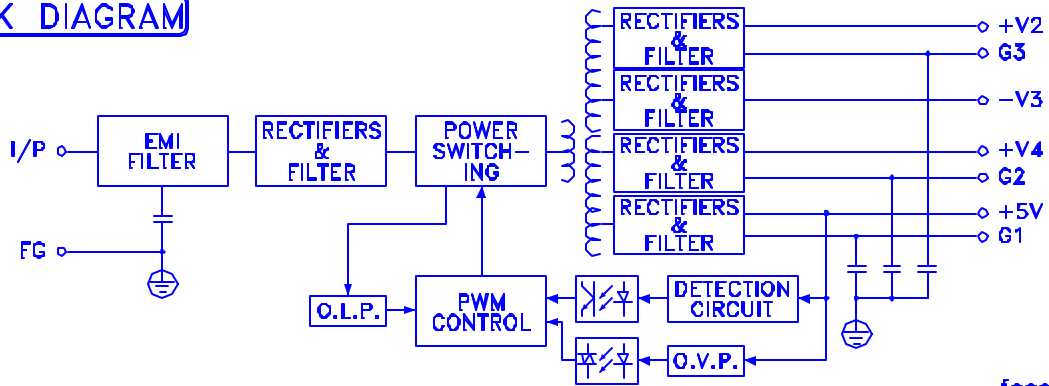


SPECIFICATION	MODEL	IQ-60D				IQ-60F			
		CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH4
DC OUTPUT VOLTAGE		5V	12V	-12V	24V	5V	15V	-15V	24
OUTPUT V. TOLERANCE		±3%	±8%	±8%	±8%	±3%	±8%	±8%	±8%
OUTPUT RATED CURRENT		3A	0.5A	0.5A	1.3A	3A	0.5A	0.5A	1.25A
OUTPUT CURRENT RANGE		0.5-3A	0.1-1A	0.1-1A	0.2-2A	0.5-3A	0.1-1A	0.1-1A	0.2-2A
RIPPLE & NOISE (Vp-p)		80m	120m	120m	240m	80m	150m	150m	240m
LINE REGULATION		±1%	±2%	±2%	±2%	±1%	±2%	±2%	±2%
LOAD REGULATION		±2%	±5%	±5%	±5%	±2%	±5%	±5%	±5%
RATED OUTPUT POWER		58.2W				60W			
MAX. OUTPUT POWER		70W (3Sec.)							
EFFICIENCY		76%							
DC VOLTAGE ADJ.		CH1:±10,-5%							
INPUT VOLTAGE RANGE		90-264VAC 47-63Hz; 127-370VDC							
AC CURRENT		1.8A/115V 0.9A/230V							
INRUSH CURRENT		COLD START 25A/115V 50A/230V							
LEAKAGE CURRENT		<1mA/240VAC							
OVERLOAD PROTECTION		70-90W TYPE:PULSING HICCUP SHUTDOWN RESET:AUTO RECOVERY							
OVER VOLTAGE PROTECTION		CH1:5.75-6.75V							
OVER TEMP. PROTECTION		-----							
TEMP. COEFFICIENT		±0.03% / °C (0-50°C) ON +5V OUTPUT							
SETUP, RISE, HOLD UP TIME		800ms, 20ms, 15ms / 115VAC 300ms, 20ms, 50ms / 230VAC							
VIBRATION		10-500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES							
WITHSTAND VOLTAGE		I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC							
ISOLATION RESISTANCE		I/P-O/P, I/P-FG, O/P-FG:500VDC / 100M Ohms							
WORKING TEMP., HUMIDITY		-10°C ~+60°C, 20%-90% RH (-10°C 80% LOAD, 60°C 60% LOAD)							
STORAGE TEMP., HUMIDITY		-20°C ~+85°C, 10%-95% RH							
DIMENSION		159*97*38mm CASE:901							
WEIGHT		0.5Kgs							
SAFETY STANDARDS		TUV EN60950 (IEC60950, UL60950) APPROVED							
EMC STANDARDS		CISPR22 (EN55022) CLASS B, EN61000-4-2,3,4,5,6,8,11 VERIFICATION							

- NOTE:
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
 2. TOLERANCE INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
 3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
 4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
 5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND OTHER OUTPUT AT 60% RATED LOAD.
 6. EACH OUTPUT PROVIDE UP TO MAXIMUM CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX. OUTPUT POWER.

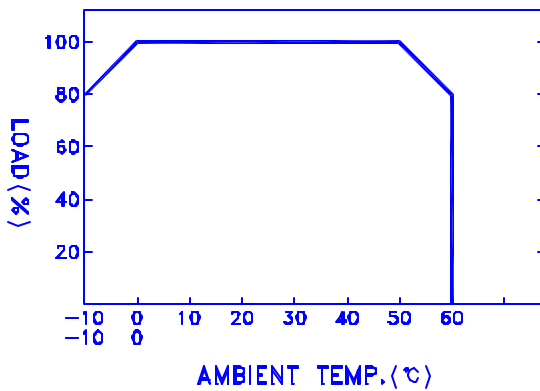
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BLOCK DIAGRAM

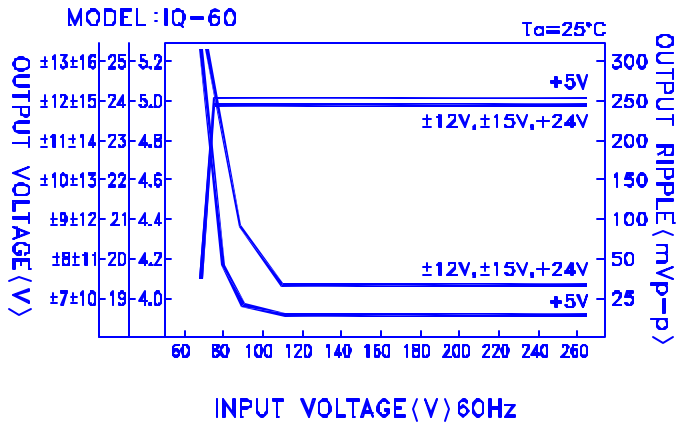


fosc : 67KHz

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- ☒ CASE : 901
- ☒ TERMINAL PIN NO. ASSIGNMENT
- ☒ PIN 1,2 : AC INPUT
- ☒ PIN 3 : FG \perp
- ☒ PIN 4 : DC OUTPUT -V3
- ☒ PIN 5 : DC OUTPUT G3
- ☒ PIN 6 : DC OUTPUT +V4
- ☒ PIN 7 : DC OUTPUT G2
- ☒ PIN 8 : DC OUTPUT +V2
- ☒ PIN 9 : DC OUTPUT G1
- ☒ PIN 10 : DC OUTPUT +5V

