

SWITCHING

SWITCHING POWER SUPPLY SPECIFICATION

CP-40030

CLAYPOWER
C O M P A N Y

REV.00

TEL 626.303.8885 FAX 626.301.0588 11911 Clark St. Suite C Arcadia, CA 91006

www.claypowercompany.com

1. Input Characteristics

1.1 Input Voltage Range ----- -38Vdc To -72Vdc,

1.2 Input Dc Current (Max) ----- 11.0A Max. Full Load.

2. Output Characteristics

2.1 Static Output Characteristics.

	Output Voltage	Load Range		Regulation		Ripple Max mV P-P	Ripple & Noise Max. mV P-P
		Min.	Max.	Min.	Max.		
1.	+3.3 V	0.3 A	22.0 A	- 5 %	+ 5 %	50 mV	100 mV
2.	+5.0 V	2.5 A	30.0 A	- 5 %	+ 5 %	50 mV	100 mV
3.	+12.0 V	0.5 A	11.0 A	- 5 %	+ 5 %	100 mV	150 mV
4.	-5.0 V	0.0 A	1.0 A	- 10 %	+ 10 %	150 mV	200 mV
5.	-12.0 V	0.0 A	1.0 A	- 10 %	+ 10 %	150 mV	200 mV
6.	SB +5.0 V	0.0 A	1.5 A	- 5 %	+ 5 %	100 mV	100 MV

Note:

1. Noise Test ----- Noise Bandwidth Is From Dc To 20MHz.
2. Ripple Frequencies Greater Than 1 MHz Shall Be Attenuated By the Measurement System.
3. Add 0.1uF / 10uF Capacitor At Output Connector Terminals For Ripple & Noise Measurements.
4. Combined Total Power From +3.3V And +5V Rails Shall Not Exceed 160W
5. The Total Output Power Shall Not Exceed 300W..

2.2 Dynamic Output Characteristics:

2.2.1 Rise Time ---- 100 ms Max. At Nominal Line Full Load.

2.2.2 Turn-on Delay Time ----- 600mS Max. At Nominal Line Full Load.

2.2.3 Hold-up Time ----- 16 ms Min. For + 5V Output At Nominal Line Full Load.

2.2.4 Transient Overshoot ----- 10% Max. Of Delay State After Load Change Of 25% Within The Range Of 50% To 100% Of Full Load.

2.2.5 Temperature Coefficient ----- 0.03% Per °C Max.

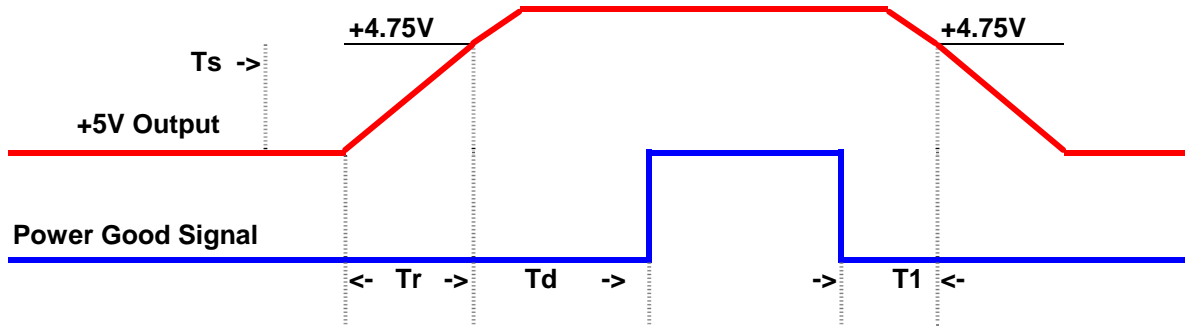
3. Protections

This Power Supply Is Designed Can Meet The Following Spec.

8.1 UL/CUL ----- UL1950

8.2 TUV ----- EN 60950

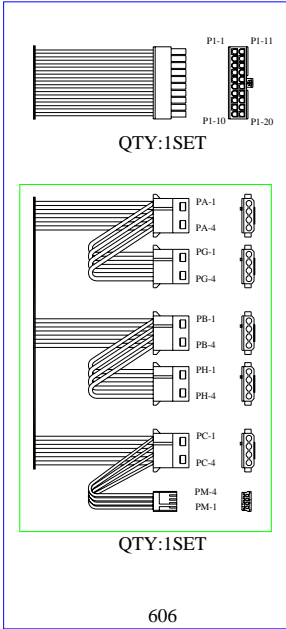
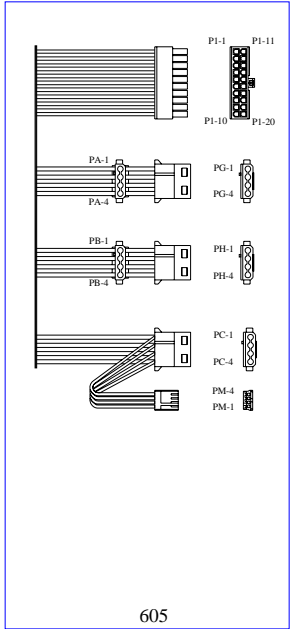
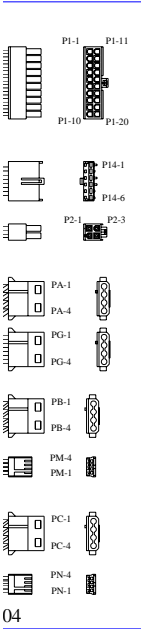
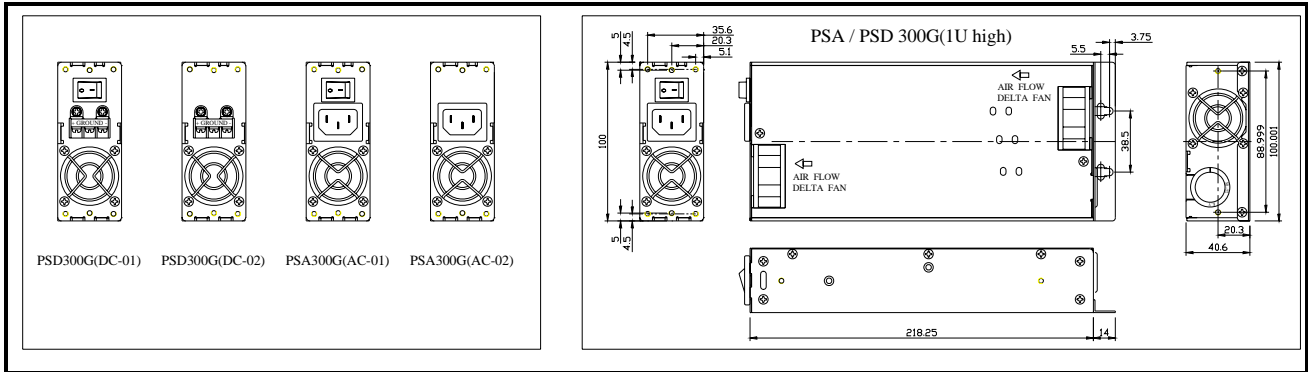
9. Power-Good Signal



Note: $T_r \leq 100 \text{ ms}$, $T_1 \geq 1 \text{ ms}$, $T_d = 100 - 500 \text{ ms}$.

10. Dimension

10.1 W x H x D ----- 100.0 x 40.6 x 218.25 (mm)



CONN	PIN	COLOR	OUTPUT	LENGTH
P1	1	BROWN	+3.3V,S+	508.0(20.0) ±50.8(2.0) -25.4(1.0)
	2	BROWN	+3.3V	
	3	BLACK	G,3.3V,S-	
	4	RED	+5V	
	5	BLACK	GND	
	6	RED	+5V	
	7	BLACK	G,+5V,S-	
	8	ORANGE	PG	
	9	PURPLE	+5VSB	
	10	YELLOW	+12V,S+	
	11	BROWN	+3.3V	
	12	BLUE	-12V	
	13	BLACK	GND	
	14	GREEN	PS-ON	
	15	BLACK	GND	
	16	BLACK	GND	
	17	BLACK	GND	
	18	WHITE	-5V	
	19	RED	+5V	
	20	RED	+5V,S+	
P2	1	BLACK	GND	508.0(20.0) ±50.8(2.0) -25.4(1.0)
	2	BLACK	GND	
	3	YELLOW	+12V	
	4	YELLOW	+12V	
P14	1	BLACK	GND	508.0(20.0) ±50.8(2.0) -25.4(1.0)
	2	BLACK	GND	
	3	BLACK	GND	
	4	BROWN	+3.3V	
	5	BROWN	+3.3V	
	6	RED	-5V	
PA,PB,PC	1	YELLOW	+12V	508.0(20.0) ±50.8(2.0) -25.4(1.0)
	2	BLACK	GND	
	3	BLACK	GND	
	4	RED	+5V	
PG,PH	1	YELLOW	+12V	152.4(6.0) ±12.7(0.5)
	2	BLACK	GND	
	3	BLACK	GND	
PM,PN	1	RED	+5V	152.4(6.0) ±12.7(0.5)
	2	BLACK	GND	
	3	BLACK	GND	
	4	YELLOW	+5V	

- P1
HOUSING MOLEX 39-01-2200
SOCKET MOLEX 39-00-0039
- P14
HOUSING MOLEX 39-01-2040
SOCKET MOLEX 39-00-0039
- P14
HOUSING MOLEX 90331
SOCKET MOLEX 08-50-0276
- PA,PB,PC,PG,PH
HOUSING AMP 1-480424-0
SOCKET AMP 60619-1
- PM,PN
HOUSING AMP 171822-4
SOCKET AMP 170204-1

NOTE:
1:POWER ON, TTL ACTIVE LOW.
2:+5V (S+,S-),+12V(S+) FOR
REDUNDANT SYSTEM ONLY.