



**5.51" x 5.91" x 3.39"**

### Features:

- Efficiency between 65% to 70%
- PS2 size mounting
- Meet UL, CSA, and TUV safety

### Applications:

- For industrial PC, telecommunication application and motorcar purpose

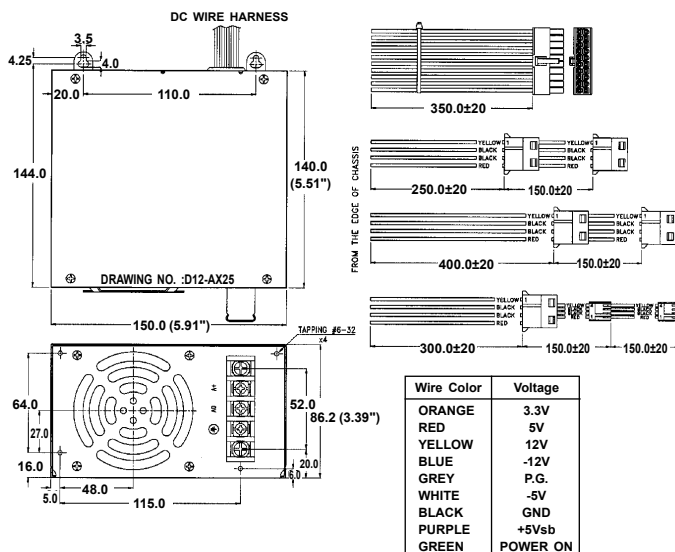
### General Specifications:

Input voltage ..... see output table  
 Efficiency ..... > 65% at rated load  
 Short circuit protection ..... auto recovery  
 Over voltage protection ..... crowbar  
 Operating temperature ..... 0°C to 70°C  
 derating: 2% / °C > 40°C  
 Cooling ..... forced air convection

Storage temperature ..... -40°C to +75°C  
 Humidity ..... up to 95% non condensing  
 EMI radiation ..... FCC class "B"  
 EN55022 class "B"  
 EMS ..... EN61000-4-2,-3,-4,-5  
 Safety ..... meet UL 60950  
 CSA C22.2 No. 950  
 EN60950-1

### Mechanical Specifications:

D12-AX25



### Notes:

1. Size:  
5.51" x 5.91" x 3.39"
2. DC Input : using terminal blocks
3. DC Output :  
ATX : Molex 39-01-2200 or equivalent  
AT : Burndy GTC6P-1 or equivalent  
Disk driver : AMP 1-486424-0 or equivalent  
3 1/2 floppy driver : AMP 171822-4 or equivalent
4. Packing:  
Net weight: 1750 g approx. / unit  
Gross weight: 16 kg approx. / carton, 8 units / carton  
Carton size (mm): 530 (L) x 530 (W) x 270 (H)

-Clark-

10 years Warranty (contact Skynet's Distributors for details)

### Output Specifications:

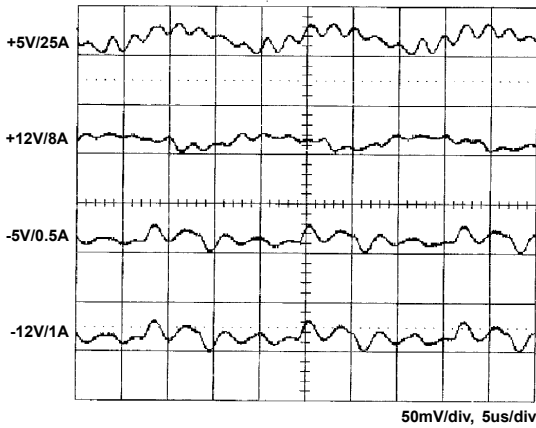
MODEL NO.	INPUT VOLTAGE	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
			MIN.	RATED	MAX.	PEAK					
D12-AX25	+12VDC	+5V	2A	25A	30A		+4.80V~+5.20V	50mV	±1%	±5%	65%
		+12V	0.1A	8A			+11.40V~+12.60V	100mV	±1%	±5%	
		-12V	0A	1A			-11.40V~-12.60V	100mV	±1%	±2%	
		-5V	0A	0.5A			-4.75V~-5.25V	100mV	±1%	±3%	
		+3.3V	0A	8A	22A		+3.13V~+3.47V	50mV	±1%	±3%	
		+5Vsb	0A	0.72A			+4.75V~+5.25V	50mV	±1%	±1%	

### Notes:

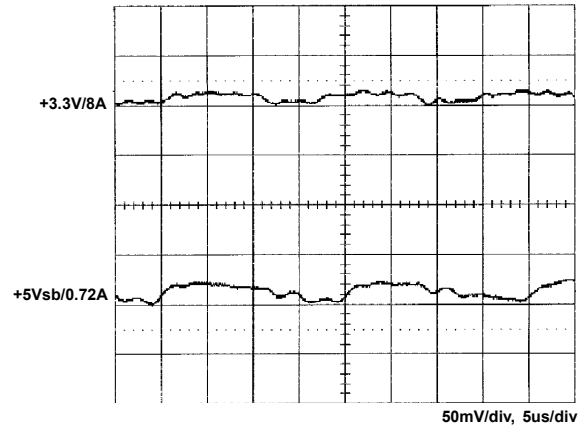
1. Each output can provide up to max. load temporarily. Continuous staying in more than rated load is not allowed.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range.
3. Line regulation is defined by changing  $\pm 10\%$  of input voltage from nominal line at rated load.
4. Load regulation is defined by changing  $\pm 40\%$  of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a  $0.47\mu\text{F}$  capacitor at rated load and nominal line.
6. Efficiency is measured at rated load and nominal line.

**Performance for D12-AX25:**

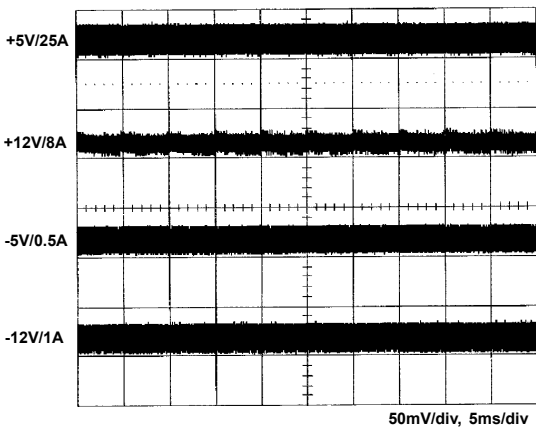
1. Switching frequency ripple



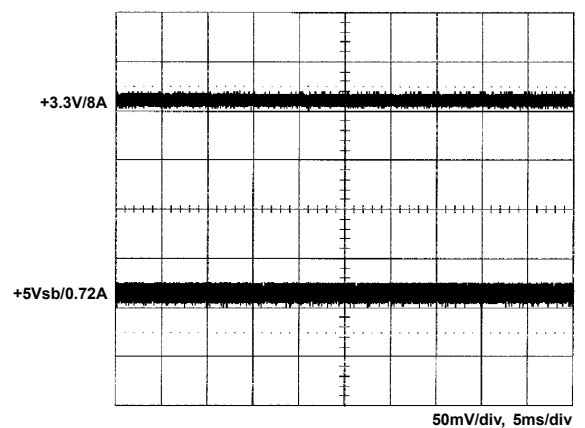
2. Switching frequency ripple



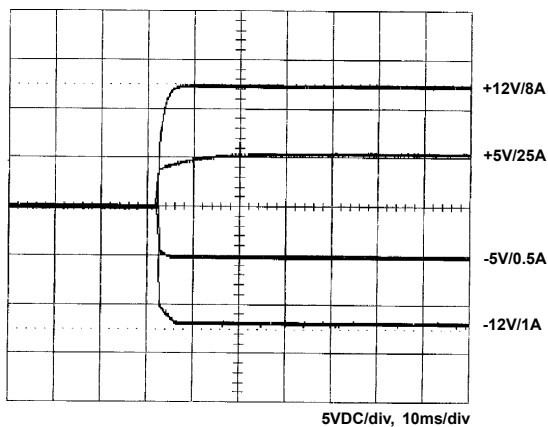
3. Line frequency ripple



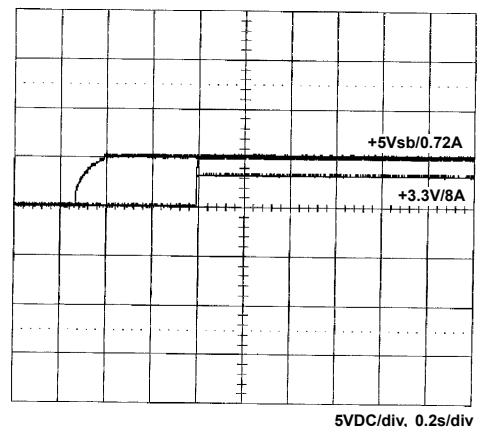
4. Line frequency ripple



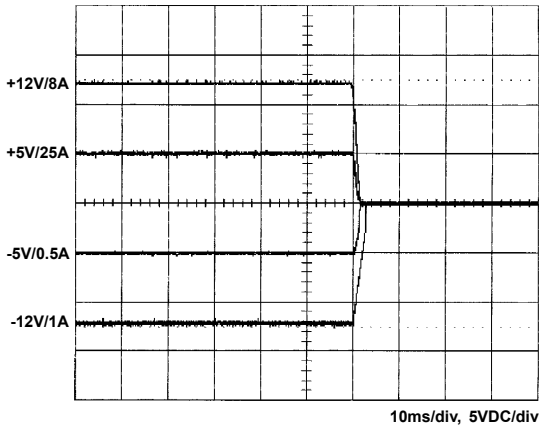
5. Output turn on wave form



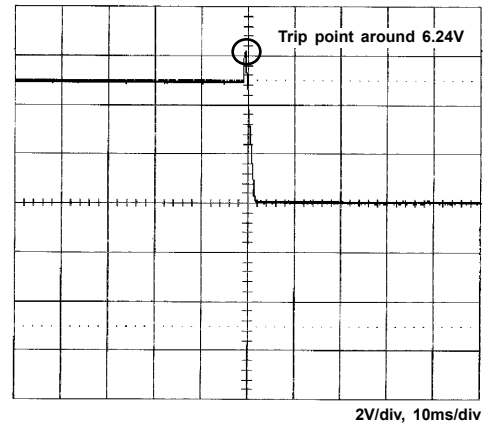
6. Output turn on wave form



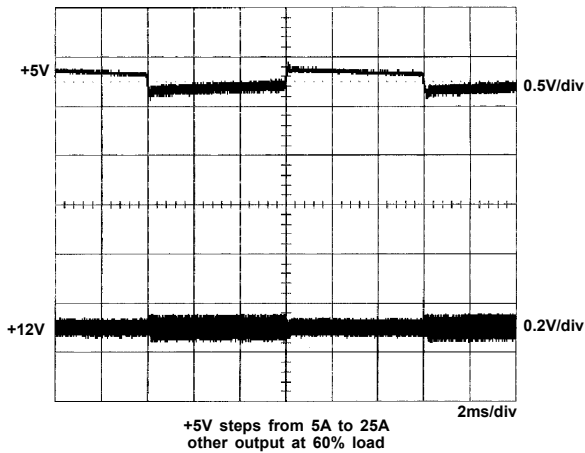
### 7. Output turn off wave form



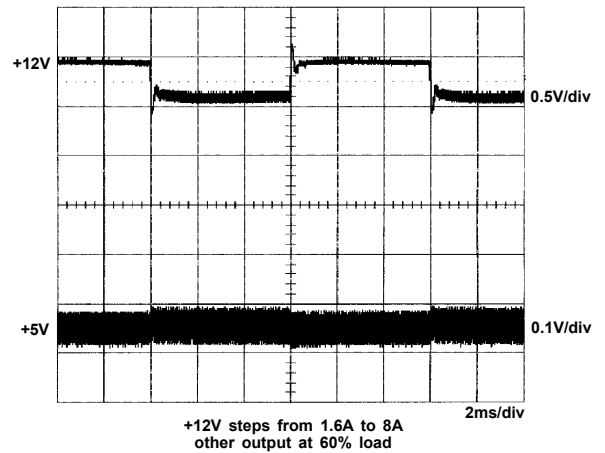
### 8. +5V Over voltage protection



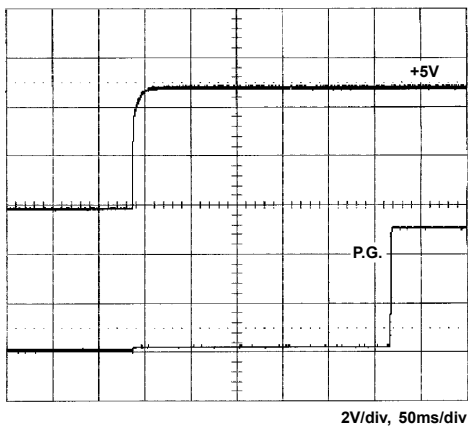
### 9. +5V step response



### 10. +12V step response



### 11. Power good signal



### 12. Power fail signal

