

Description:

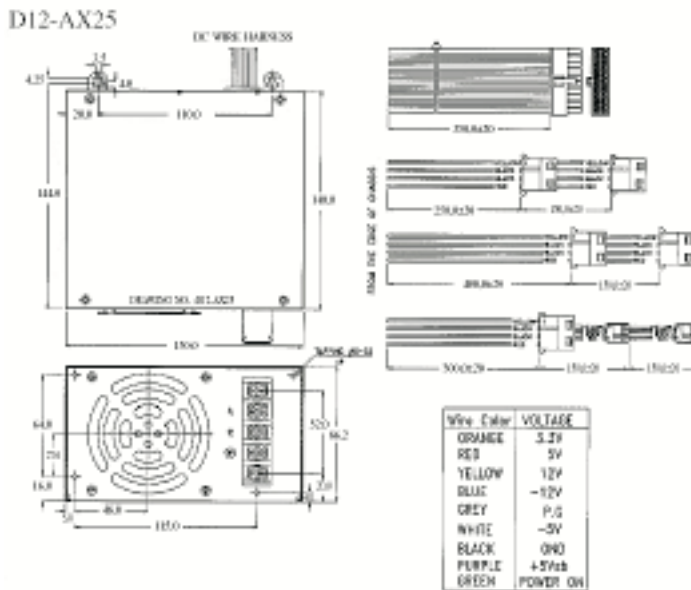
This series is DC to DC switching power supply. It is designed for industrial PC, telecommunication application and motorcar purpose. It is PS2 size mounting.



General Specifications:

| | | | |
|-------------------------------|---|---------------------------|---|
| Input voltage | See output table | Cooling | force air convection |
| Outputs | See output table | Storage temperature | -40°C to +75°C |
| Efficiency | higher than 65% at rated load | Humidity | up to 95% non condensing |
| Short circuit protection..... | auto-recovery | EMI radiation..... | EN55022 "B", FCC "B" |
| Over voltage protection | auto-recovery | EMS | EN61000-4-2,-3,-4 |
| Operating temperature | 0°C to 50°C 0°C to 40°C for FAS-425C, D12-AX25 | Safety | Meet UL 1950 CSA 22.2 No. 234 EN60950 |

Mechanical Specifications:



Notes:

- Dimensions shown in mm (inch) as above. Tolerance specified is ± 0.8mm.
- Size: 150 x 140 x 86.2 (mm)
- DC Input : using terminal blocks
- 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

Output Specifications:

| MODEL NO. | INPUT VOLTAGE | OUTPUT RAIL | LOAD | | | VOLTAGE ACCURACY | RIPPLE NOISE | LINE REG. | LOAD REG. |
|-----------|---------------|-------------|------|-------|------|------------------|--------------|-----------|-----------|
| | | | MIN. | RATED | MAX. | | | | |
| D48-815A | +48VDC | +5V | 1A | 16A | 20A | +4.90V~+5.10V | 50mV | ±1% | ±5% |
| | | +12V | 0A | 1.4A | 4A | +11.28V~+12.72V | 120mV | ±1% | ±5% |
| | | -12V | 0A | 0.5A | 1A | -11.40V~-12.60V | 120mV | ±1% | ±5% |
| | | -5V | 0A | 0.5A | 1A | -4.75V~-5.25V | 50mV | ±1% | ±5% |
| | | +3.3V | 1A | 9A | 16A | +3.13V~+3.46V | 50mV | ±1% | ±4% |
| | | +5Vsb | 0A | 0.72A | 1.2A | +4.90V~+5.10V | 50mV | ±1% | ±5% |
| SNP-425C | -48VDC | +5V | 1A | 25A | 30A | +4.90V~+5.10V | 50mV | ±1% | ±4% |
| | | +12V | 0A | 10A | 12A | +11.28V~+12.72V | 120mV | ±1% | ±5% |
| | | -12V | 0A | 1A | 2A | -11.40V~-12.60V | 120mV | ±1% | ±3% |
| | | -5V | 0A | 1A | 2A | -4.75V~-5.25V | 50mV | ±1% | ±3% |
| FAS-425C | +24VDC | +5V | 1A | 25A | 30A | +4.90V~+5.10V | 50mV | ±1% | ±4% |
| | | +12V | 0A | 10A | 12A | +11.28V~+12.72V | 120mV | ±1% | ±5% |
| | | -12V | 0A | 1A | 2A | -11.40V~-12.60V | 120mV | ±1% | ±3% |
| | | -5V | 0A | 1A | 2A | -4.75V~-5.25V | 50mV | ±1% | ±3% |
| SNP-425D | +110VDC | +5V | 1A | 25A | 30A | +4.95V~+5.10V | 50mV | ±1% | ±4% |
| | | +12V | 0A | 10A | 12A | +11.28V~+12.72V | 120mV | ±1% | ±5% |
| | | -12V | 0A | 1A | 2A | -11.40V~-12.60V | 120mV | ±1% | ±3% |
| | | -5V | 0A | 1A | 2A | -4.75V~-5.25V | 50mV | ±1% | ±3% |
| D12-AX25 | +12VDC | +5V | 2A | 25A | 30A | +4.80V~+5.20V | 50mV | ±1% | ±5% |
| | | +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 peak 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 while the main output is setting to within the specified accuracy range at rated load.
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.