



PRELIMINARY



FEATURES

74 x 87 x 233 mm
INPUT : 90-265Vac or 130-210Vdc
OUTPUT : 24V / 300W
Efficiency : 85 % typ.
External air forced

APPLICATIONS

Naval.

INPUT

Voltage range : 90-265Vac or 130-210Vdc
47-63Hz
PFC EN61000-3-2, MIL-STD 461E CE101
Input protection : fuse 5A
transient and surges protected
inrush current limitation
reverse polarity protection in DC operation

OUTPUT

Voltage : 24Vdc
Output power : 200W for AC input : 90-132Vac
300W for AC input : 132-264Vac and DC input 132-210Vdc

| | OUTPUT | | Conditions |
|------------------------------|---------------------------|---------------------------|--|
| | Typ. | Max. | |
| Line regulation | 0,1 % | 0,2 % | Low line to high line ; full load |
| Load regulation | 0,5 % | 1 % | No load to full load |
| Ripple and noise | 1 % | 2 % | Peak to peak, nom. Input ; full load |
| Current limit | 115 % of I nominal | | Vout = 95% of nominal ; Automatic restart |
| Short circuit current | 115 % of I out nominal | 115 % of I out nominal | |

SIGNALS

Power Good : Output OK by relay contact

Input OK : by led

ENVIRONMENTAL

Storage temperature : -40°C to +100°C

Operating temperature : -20°C to +55°C ambient, forced air, Nominal Power

Humidity : PCB coating

ISOLATION

Input to chassis : 1500 Vrms

Input to Output : 3000 Vrms

GENERAL

Safety : built to meet EN60950

EMI : built to meet EN55022B, GAM EG13, MIL-STD 461E, conducted

MECHANICALS



INPUT J1 : FCI - DA7W2PA00

| PIN | INPUT |
|-----|-------------|
| A1 | AC/L or +IN |
| A2 | AC/N or -IN |
| 1-5 | Ground |

REPORT INPUT J2 : FCI - DA7W2SA00

| PIN | INPUT |
|-----|---------------------------------|
| A1 | AC/L or +IN |
| A2 | AC/N or -IN |
| 1-2 | Ground |
| 3 | Power Good normally open (no) |
| 4 | Power Good normally closed (nc) |
| 5 | Power Good common |

INPUT J3 : FCI - DA3W3SA00

| PIN | INPUT |
|-----|--------|
| A1 | + Vout |
| A2 | - Vout |
| A3 | NC |