

Aegis Power Solution

D12201

Portable Digital Receiver
Power System.



Telecommunications / Portable Digital Receiver

Rev A01 1/25/2002

Summary

Open Frame Multiple Output Power System operable from battery or other 24V source.

Specifications

- DC Input Voltage:** +18-36VDC, 24VDC Nominal.
- DC Input Line Current:** 19.75A Max @ 18VDC.
- DC Input Power:** 345W Max.
- Total Output Power:** 258 Watts.
- Output Voltages:** +5VDC @ 14.4, 72W.
+3.3VDC @ 25.5A, 84W.
+12VDC @ 5.5A, 66W.
-12VDC @ 3A, 36W.
- Efficiency:** 74% Min, 75% Typical.
- Startup Time:** 1 Sec Max
- Voltage Set Point:** +/-0.5% (+3.3V), +/-1% (+5V, +12V,-12V)
- Over Voltage Protection:** 110-135%, Recycle Input Power to Restart
- Temperature Regulation:** +/-0.02% /°C
- Line Regulation:** (+5V & +3.3V) +/- 1% Max. 18-36VDC, 10-100% Load
(+12V & -12V) +/- 2% Max. 18-36VDC, 10-100% Load
- Load Regulation:** (+5V & +3.3V) +/- 2% Max. 18-36VDC, 0-100% Load
(+12V & -12V) +/- 4% Max. 18-36VDC, 0-100% Load
- Output Ripple:** +5V & +3.3V, 50mV Max. pk-pk, +12V, & -12V, 100mV pk-pk; (20MHz BW)
- Current Limit:** +3.3V and +5V, 105-150% Automatic Restart
+12V, -12V, and -5.2V, 105-TBD% Automatic Restart
- Temperature:** -32°C to +48°C Operating with 150CFM Airflow, -40 to +100°C Non-operating.
- Cooling:** Customer Supplied Forced Air.
- Size:** 2.7"H, 3.8"W, 7.4"L., Open Frame.

Weight: 2.52 lb.

Connectors: Input: (8 pin) Amp 641208-8; Output: 1 (13 pin) Amp 1-641208-3,
Output 1 (15 in) Amp 1-41208-5, Control: (9 pin) Amp 641215-9.

Safety: UL 1950 as installed in customer chassis

Shock: 15G 11msec half sine wave pulse, three shocks each axis.

Vibration: 0.04G²/Hz 80-350 Hz Random Vibration.

Humidity: 0-95% non-condensing

EMI: EMI compliant to FCC Class A.

Other Features: Remote Sensing.

DC OK Signal, Open Collector Transistor: On=Low=OK, Off=High=Fail, Max
30V, 20mA