

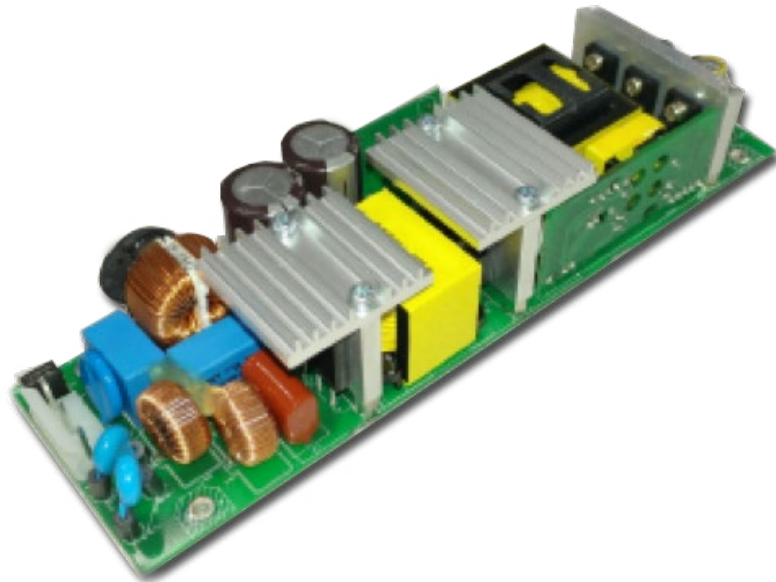
REV: 101018

34Vdc / 178W Output



## PRODUCT FEATURES:

- **Designed for Audio/Video Equipment Applications**
- **Universal AC Input**
- **Active PFC for EN61000-3-2 Class D Compliance**
- **High Efficiency Operation**
- **Low cost Open Frame Design**
- **178 Watts-Free Air convection cooled (to 45°C)  
(273 Watts Peak for up to 5 Minutes)**
- **12V/1.5A Auxiliary Output**
- **Meets Conducted EMI Class B**
- **International Safety Approvals**



## INPUT SPECIFICATIONS:

|              |   |
|--------------|---|
| VOLTAGE      | Universal AC Input (100 ~ 240VAC)         |
| FREQUENCY    | 47~63 Hz                                  |
| INRUSH       | <70A @ 240VAC, Full load (Max cold start) |
| CURRENT      | 2A @ 240VAC (Max Continuous)              |
| PROTECTION   | Single 5A Fuse/250VAC                     |
| LEAKAGE      | 3.5mA Max @ 240VAC                        |
| EFFICIENCY   | ≥88% Typical @240Vac, Full load (34Vout)  |
| POWER FACTOR | >0.98 Typical @240Vac, Full load (34Vout) |
| HOLD-UP TIME | 16ms Minimum (240VAC & Full load)         |

## OUTPUT SPECIFICATIONS:

|                   |                                    |
|-------------------|------------------------------------|
| OUTPUT VOLTAGE    | 34VDC (MAIN), 12VDC (AUXILIARY)    |
| LINE REGULATION   | ±0.5% Max, across full input range |
| LOAD REGULATION   | ±0.5% Max, across full load range  |
| RIPPLE            | 1% max (20MHz BW)                  |
| SETPOINT ACCURACY | ±1%                                |
| OVER-CURRENT      | 200~300% (Auto Recovery)           |
| OV PROTECTION     | 105~120% (Recycle input to reset)  |

## STATUS & CONTROL SIGNALS:

|               |                          |
|---------------|--------------------------|
| REMOTE ON/OFF | Remote On/Off active low |
|---------------|--------------------------|

## GENERAL SPECIFICATIONS:

|                       |   |
|-----------------------|---|
| OPERATING TEMPERATURE | 0°C to +45°C (178W)                               |
| STORAGE TEMPERATURE   | -40°C to +85°C                                    |
| OPERATING HUMIDITY    | 10% ~ 90% RH (Non-condensing)                     |
| STORAGE HUMIDITY      | 5% ~ 95% RH (Non-condensing)                      |
| COOLING               | Convection cooling                                |
| SIZE (LxWxH)          | 2.204" x 7.677" x 1.535"<br>(56mm x 195mm x 39mm) |

## ELECTROMAGNETIC COMPATIBILITY:

|                         |  |
|-------------------------|--|
| ELECTROSTATIC DISCHARGE | EN61000-4-2, 4KV Contact/ 8KV Air                                |
| RADIATED SUSCEPTIBILITY | EN61000-4-3, 3V/m (1KHz 80% AM)                                  |
| EFT                     | EN61000-4-4, 1KV AC Mains  |
| SURGE                   | EN61000-4-5, 2KV (Line to Gnd)<br>1KV (Line to Neutral)          |
| CONDUCTED IMMUNITY      | EN61000-4-6, 3V (1KHz 80% AM)                                    |
| VOLTAGE INTERRUPTIONS   | EN61000-4-8, 1A/m<br>EN61000-4-11, 95% reduction for 0.5 Periods |

## STANDARDS & APPROVALS (TBD):

|                  |                                  |
|------------------|----------------------------------|
| cULus            | IEC60065 (Audio/Video Equipment) |
| CB, CE           | IEC60065 (Audio/Video Equipment) |
| CQC              | GB8898-2011                      |
| ROHS-2 Compliant | Directive 2011/65/EU             |



OUTPUT SPECIFICATIONS:

| Models:     | V1 Output |         |         | Auxiliary /Standby Output |         |         |
|-------------|-----------|---------|---------|---------------------------|---------|---------|
|             | VDC       | A (Min) | A (Max) | VDC                       | A (Min) | A (Max) |
| PSU-200W-34 | 34.0V     | 0.50A   | 4.7A    | 12.0V                     | 0.2A    | 1.50A   |

PIN ASSIGNMENT:

| Connector P/N | INPUT          |         |      | 34V Output       |     | 12V Output      |    |     |
|---------------|----------------|---------|------|------------------|-----|-----------------|----|-----|
|               | Molex 5096—03C |         |      | Molex 35317-0220 |     | Molex 5566-03A3 |    |     |
| Pin Number    | #1             | #2      | #5   | #1               | #2  | #1              | #2 | #3  |
|               | Line           | Neutral | F.G. | +34V             | GND | +12V            | ON | GND |

OUTLINE DRAWING:

