

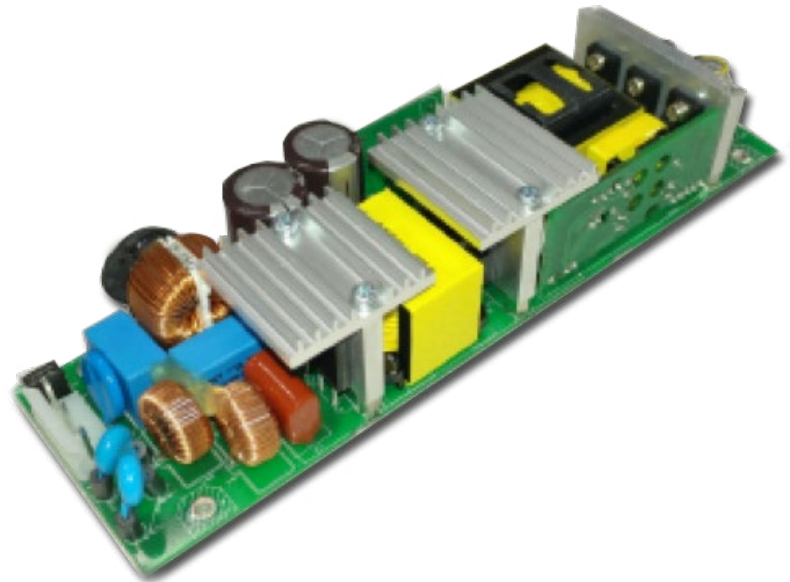
REV: 101018

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
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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" (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) 1KV (Line to Neutral)
CONDUCTED IMMUNITY	EN61000-4-6, 3V (1Khz 80% AM)
VOLTAGE INTERRUPTIONS	EN61000-4-8, 1A/m 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:

