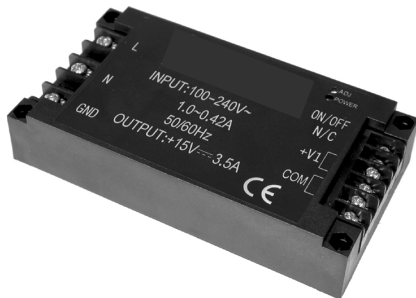


APS

Advanced Power Solutions

UNIVERSAL AC INPUT AC-DC SINGLE OUTPUT 50 WATTS CHASSIS-MOUNT SWITCHING POWER SUPPLIES MODULE APS50AS SERIES



FEATURES:

- CHASSIS-MOUNT AC/DC MODULAR POWER SUPPLIES
- UNIVERSAL AC INPUT VOLTAGE FOR WORLD WIDE USE
- COMPACT IN SIZE
- MEETS UNIVERSAL SAFETY STANDARDS
- EMI MEETS CISPR PUB. 22 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ. 90-264Vac Nominal: 115/230Vac
Input Frequency: 47-63 Hz
Input Current: 0.77A @ 115Vac / 0.39A @ 230Vac
Inrush Current: Typ. 30.6A peak @ 230Vac
Input Fuse: Use external fuse
Dielectric Withstand: Meets IEC950
EMI: Meets CISPR PUB.22 / FCC Class B
Hold-up time: 19 mS @ 115Vac, 80mS @ 230Vac
Earth Leakage: Less than 0.52mA @ 230Vac

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typ. 50Watts
Line Regulation: Typ. 0.2%
Load Regulation: Typ. $\pm 0.5\%$
Noise & ripple: Typ. 1.0% peak to peak
OVP: Built-in on main output
Adjustability: Available at main output
Overload Protection (OLP): Fully protected against output overload and short circuit
 Typ. 130-150% max. load
 Consult the factory for special OLP setting

GENERAL SPECIFICATION

Efficiency: Typ. 83%
Switching Frequency: 63KHz
Circuit Topology: Fixed Frequency Flyback circuit
Transient Response: Output voltage returns in less than 2mS following a 25% load change
Case: Impact resistant thermo-plastic enclosure
Safety Standard: EN60950 / UL1950 Class I

Operating Temperature: 0 to +50°C. -10°C to +70°C
 by output derating
Storage Temperature: -20°C to +71°C
Temperature Coefficient: 0.04% / °C
Cooling: Free air cooling
Power Density: 4.1 Watts. / Cubic inch
Weight: 378.0g (13.3 Oz)

Note: (1) All measurements are at nominal input, full load, and +25°C unless otherwise specified.

(2) Load Regulation measured from Full-Load (F-L) to Half-Load (H-L) at nominal input and others loaded at half load.

OUTPUT VOLTAGE/ CURRENT RATINGS CHART

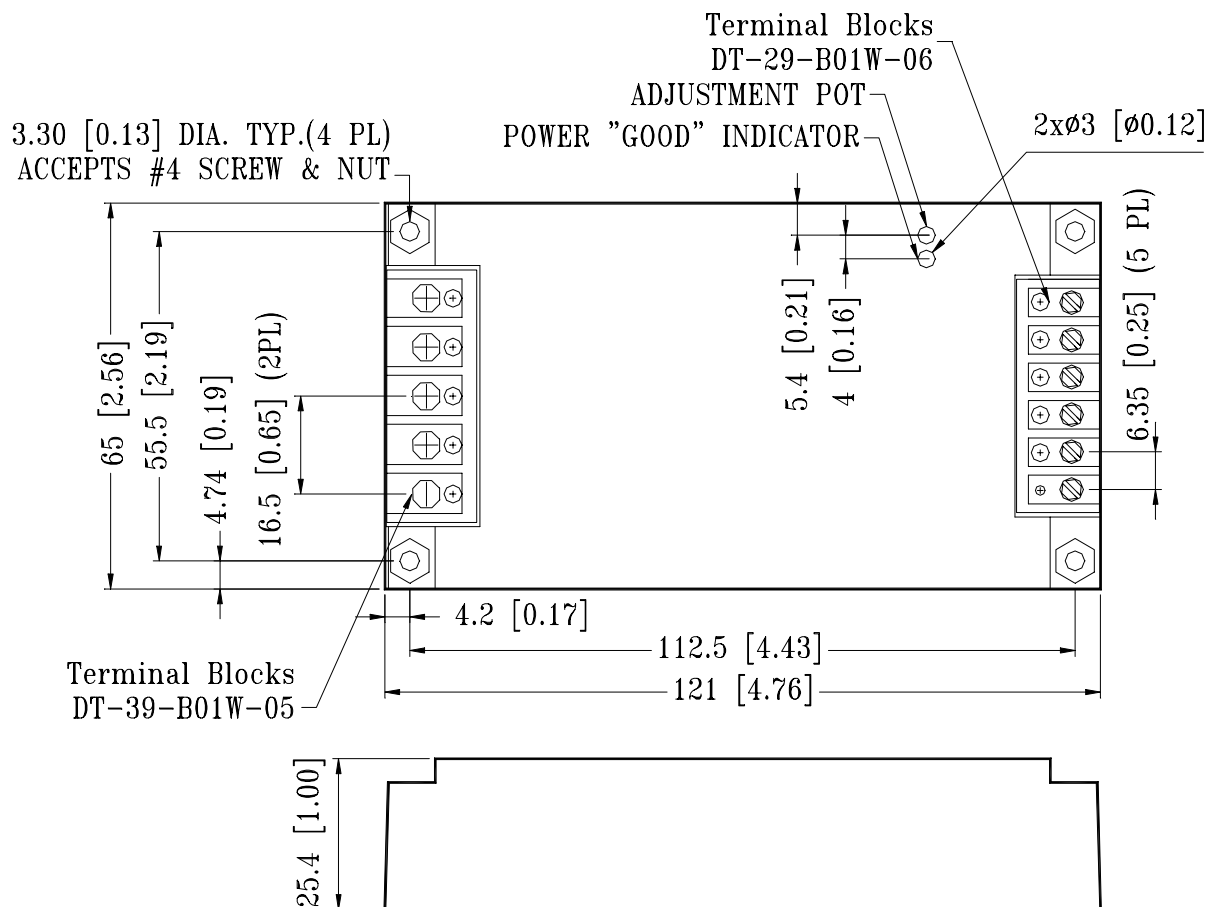
SINGLE OUTPUT

MODEL NO.	MAIN O/P VO1 @ *	
	Typ.	Volt.
APS50AS-S033120	12.0A	+3.3V
APS50AS-S050090	9.0A	+5.0V
APS50AS-S120042	4.2A	+12.0V
APS50AS-S150035	3.5A	+15.0V
APS50AS-S240025	2.5A	+24.0V

Symbols: "*" OVP built-in. "@" Adjustable.

MECHANICAL DIMENSIONS: MM [INCHES]

Weight: 378.0g (13.3 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

ASSIGNMENT	AC INPUT			SINGLE OUTPUT			
	AC-Ground	AC-Neutral	AC-Line	+VO1	DC COM	On/Off CTL.	NC
CNTR & PIN #	P1-1	P1-2	P1-3	P2-3,4	P2-5,6	P2-1	P2-2