

APS

Advanced Power Solutions

UNIVERSAL AC INPUT AC-DC SINGLE OUTPUT 60 WATTS INDUSTRIAL DIN RAIL SWITCHING MODE POWER SUPPLIES APS65ID SERIES



FEATURES:

- ACCOMMODATES UNIVERSAL AC SOURCES
- MEETS UNIVERSAL SAFETY STANDARD AND INDUSTRIAL UL508
- INDUSTRIAL POWER SUPPLIES FOR SNAP-ON MOUNTING ON DIN-RAILS
- EMI MEETS CISPR PUB.22 / FCC CLASS B
- CE MARKING COMPLIANCE

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Typ. 90-264Vac
Input Connector: Combicon (M-T) plug connector
Input Frequency: 47-63Hz
Inrush Current: 21.1A @230Vac
Input Current: 0.96A @115Vac, 0.48A @230Vac
Dielectric Withstand: Meet IEC950
EMI: Meet CISPR EN55022 B & FCC B
No Load Operation: No damage
Hold-up Time: 13mS @115Vac, 53.6mS @230Vac
Earth Leakage: Less than 0.24mA @230Vac

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart
Output Current: See Ratings Chart
Output Wattage: Typ. 65W continuous
Output Connector: Combicon (M-T) plug connector
Line Regulation: Typ. 0.4%
Load Regulation: Typ. $\pm 1-3\%$
Noise & Ripple: Typ. 1% peak to peak
OVP: Built-in (Latch)
Adjustability: Available at VO1
Overload Protection (OLP): Fully protected against output overload and short circuit
 Consult the factory for OLP setting
LED Indicator: Output indicating

GENERAL SPECIFICATION

Efficiency: Typ. 79%
Switching Frequency: Fixed freq. 60KHz
Circuit Topology: Fixed frequency flyback circuit
Transient Response: Output voltage returns in less than 0.1mS following a 25% load change
Safety Standard: IEC950/UL1950 Class I
Power Density: 2.0 Watt/ Cubic Inch
Industrial Grade UL508

Operating Temperature: -10 to +70°C at full load,
 (>+60 °C by de-rating 2% / °C)
Storage Temperature: -25 to +85°C
Temperature Coefficient: 0.03% / °C
Cooling: Convection cooling for Temp. < +60°C. Moving air is request for Temp. >+ 60°C full load operation
Construction format: Enclosure metal box with DIN-clips format



OUTPUT VOLTAGE/ CURRENT RATINGS CHART

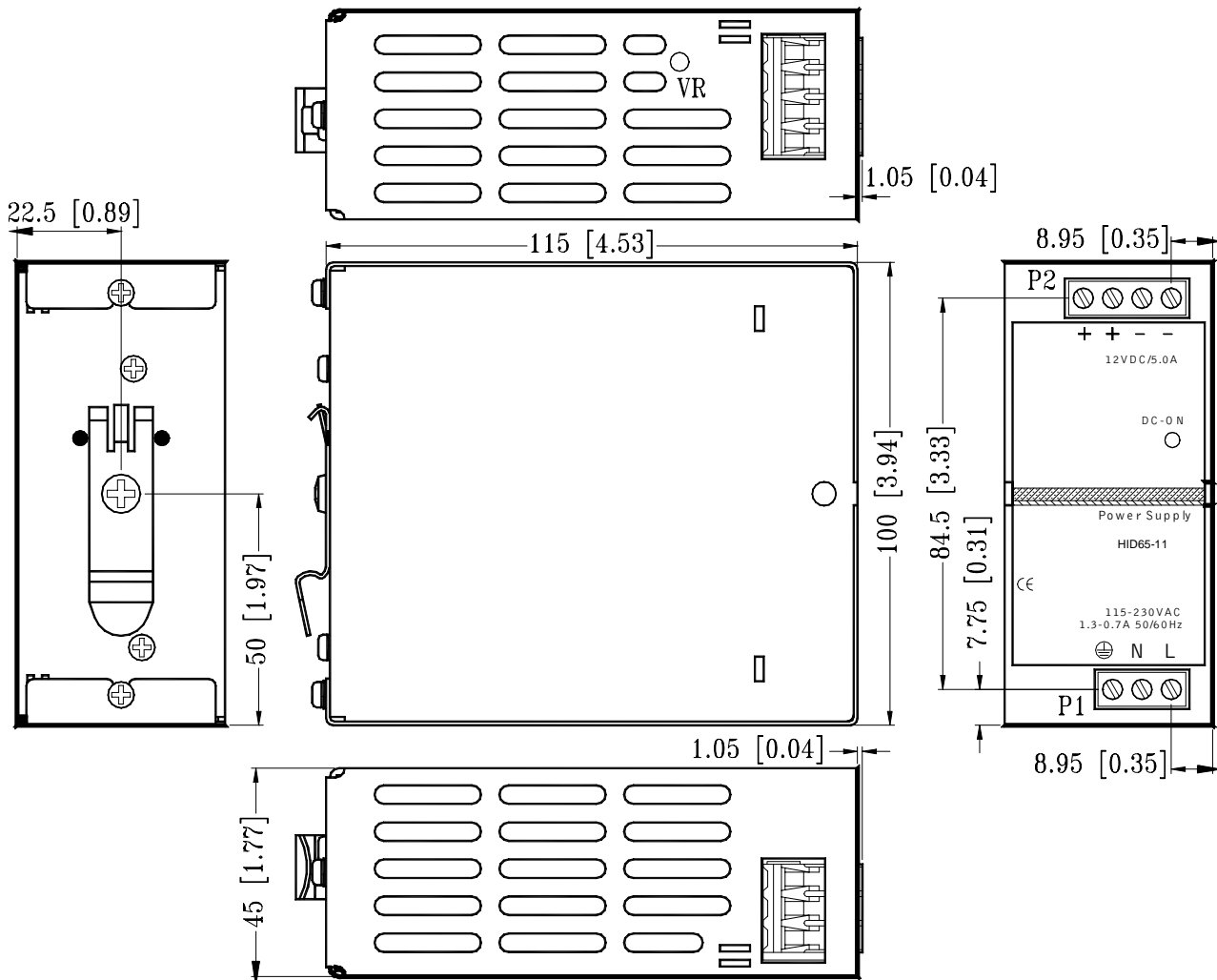
SINGLE OUTPUT

MODEL NO.	MAIN VO1 @ ★		
	Typ.	Volt	Max / Peak
APS65ID-S120050	5.0A	12.0V	5.50A/6.0A
APS65ID-S240025	2.5A	24.0V	2.70A/3.0A
APS65ID-S480014	1.3A	48.0V	1.35A

Symbol: "@"Adjustable. "★" OVP built-in .

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 460.0g(16.22 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

ASSIGNMENT CNTR & PIN #	AC INPUT			SINGLE OUTPUT	
	AC-LINE	AC-NEUTRAL	AC-GROUND	VO1	DC COM
	P1-3.	P1-2.	P1-1	P2-3,4	P2-1,2