

# 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

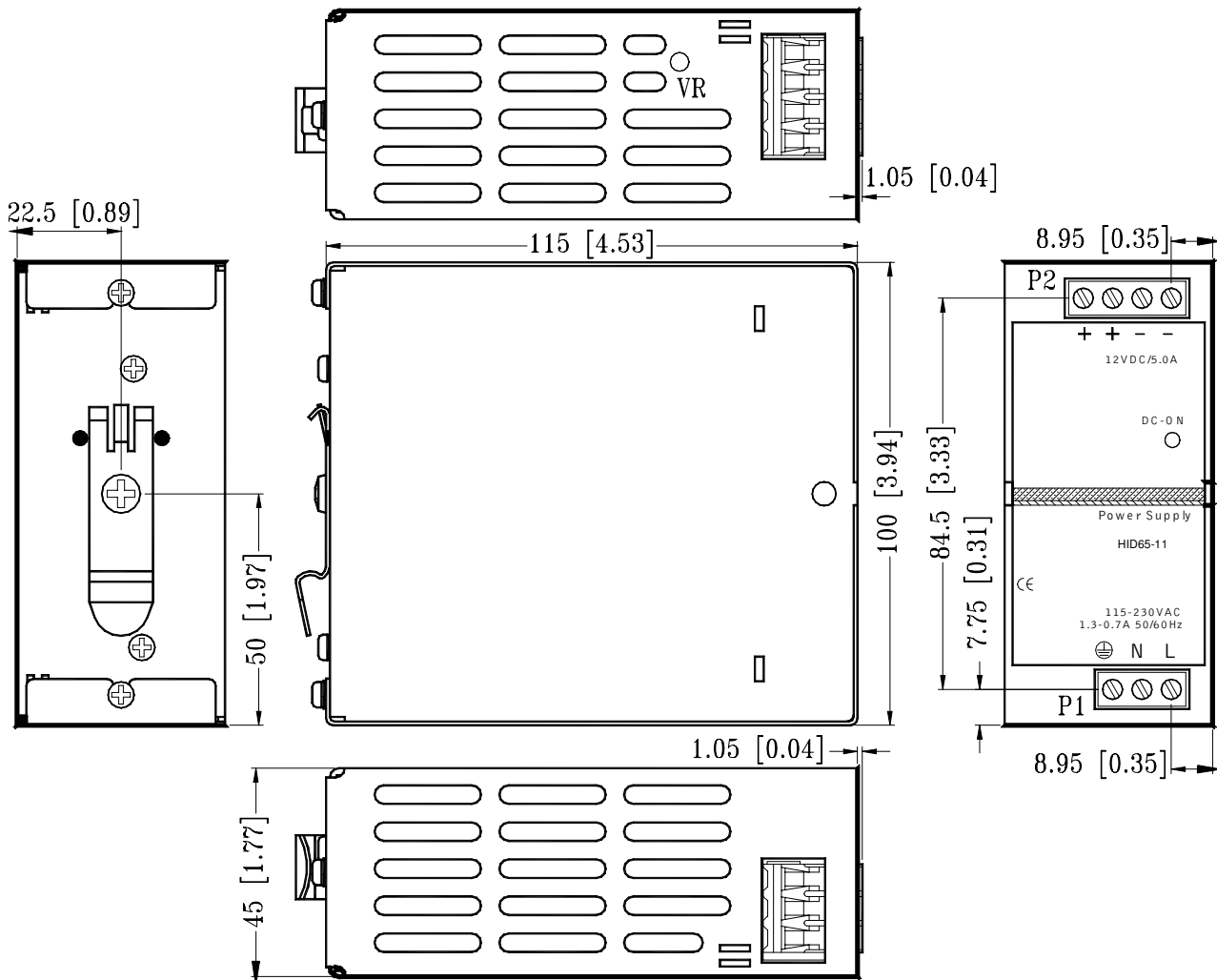
### SINGLE OUTPUT

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