

## Open Frame



### Features

- Protections :  
Short circuit / Over voltage / Over current
- Energy Efficiency Level 82%~89% depends on models
- No Load Power Consumption  $\leq 0.21W$
- MTBF > 100,000 hours
- Customized Solutions Available

### EP V WWW U XX YY

- V:** Number of outputs
- WWW:** Total power
- U:** Output range
- XX:** Specified output voltage, i.e. 12 is 12VDC
- YY:** Differential segmentation

### General Specification

#### OUTPUT

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EP1030AXXXYY	30W	5~9V	0A	6A	$\pm 3\%$	$\pm 3\%$	180mV
EP1030BXXYY	30W	12~18V	0A	2.5A	$\pm 3\%$	$\pm 3\%$	240mV
EP1030CXXYY	30W	19~28V	0A	1.57A	$\pm 3\%$	$\pm 3\%$	360mV
EP1030DXXYY	30W	44~56V	0A	0.68A	$\pm 3\%$	$\pm 3\%$	840mV
EP1040AXXXYY	40W	5~9V	0A	8A	$\pm 3\%$	$\pm 3\%$	180mV
EP1040BXXYY	40W	12~18V	0A	3.33A	$\pm 3\%$	$\pm 3\%$	240mV
EP1040CXXYY	40W	19~28V	0A	2.1A	$\pm 3\%$	$\pm 3\%$	360mV
EP1040DXXYY	40W	44~56V	0A	0.9A	$\pm 3\%$	$\pm 3\%$	840mV
EP1050AXXXYY	50W	5~9V	0A	10A	$\pm 3\%$	$\pm 3\%$	180mV
EP1050BXXYY	50W	12~18V	0A	4.16A	$\pm 3\%$	$\pm 3\%$	240mV
EP1050CXXYY	50W	19~28V	0A	2.63A	$\pm 3\%$	$\pm 3\%$	360mV
EP1050DXXYY	50W	44~56V	0A	1.13A	$\pm 3\%$	$\pm 3\%$	840mV
EP1060BXXYY	60W	12~18V	0A	5A	$\pm 3\%$	$\pm 3\%$	240mV
EP1060CXXYY	60W	19~28V	0A	3.15A	$\pm 3\%$	$\pm 3\%$	360mV
EP1060DXXYY	60W	44~56V	0A	1.36A	$\pm 3\%$	$\pm 3\%$	840mV
EP1065BXXYY	65W	12~18V	0A	5.41A	$\pm 3\%$	$\pm 3\%$	240mV
EP1065CXXYY	65W	19~28V	0A	3.42A	$\pm 3\%$	$\pm 3\%$	360mV
EP1065DXXYY	65W	44~56V	0A	1.47A	$\pm 3\%$	$\pm 3\%$	840mV
EP1072B1200	72W	12V	0A	6A	$\pm 3\%$	$\pm 3\%$	240mV

#### NOTE:

- 1 : Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing  $\pm 10\%$  of input voltage from nominal line at rated load.
- 3 : Max. Power (W)  $\geq V_o \times I_o$

#### INPUT

- Input Range: 100 to 240 VAC
- Frequency: 50 to 60Hz
- Input Current:  $\leq 1.5A$
- Inrush Current:  $\leq 120A/230VAC$
- Hold Up Time:  $\geq 8.3ms$
- Turn On Time:  $\leq 3s$

#### PROTECTION

- Short Circuit Protection: Auto Recovery
- Over Current Protection: Auto Recovery
- Over Voltage Protection: Latch-off or Auto Recovery

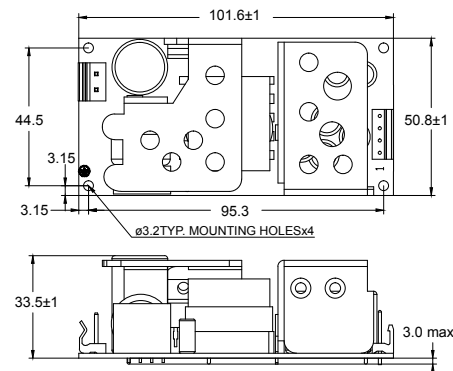
#### ENVIRONMENT

- Operating Temperature: -20 to 50°C
- Storage Temperature: -20 to 85°C
- Operating Humidity: 10% to 90 %
- Storage Humidity: 5% to 95 %

#### SAFETY

- Certified for whole series: UL 62368-1, CAN/CSA C22.2 No. 62368-1, TUV EN 62368-1, CB IEC 62368-1, FCC Part 15B, CE EMC(EN 55032+EN 55035)

#### MECHANICAL



- Mechanical Size: 101.6L x 50.8H x 33.5H (mm)
- AC Input Connector: Molex 09-65-2048 or equivalent
- DC Output Connector: JST VH Series or equivalent
- Pin Assignment:

Single Output	P1-3	P4-6	P7
	GND	5~48V	NA

- Weight: 200g