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## AD240



**RoHS**

### Features

- User-selectable input voltage(AC85 - 132V/AC170 - 264V) (AD240, 480)
- Built-in Inrush Current Protection
- Small size and light
- Parallel and Master-Slave operation
- Built-in Over Current Protection
- Built-in Over Voltage Protection
- RoHS Compliant

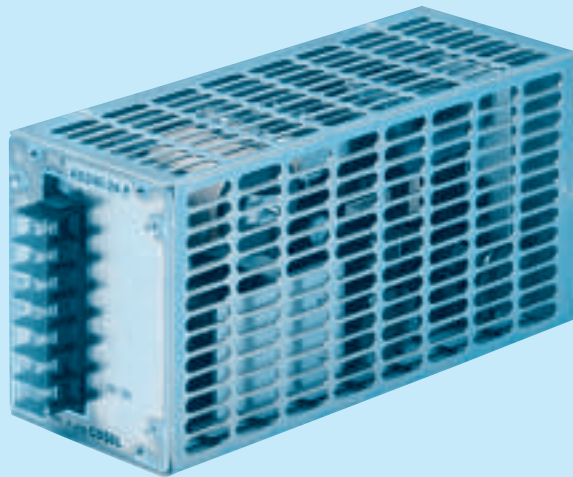
**2 year warranty(refer to Instruction Manual)**

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
AD240-24	AC 85 - 264	240	24V 10A
AD240-30	AC 85 - 264	240	30V 8A

- ① Series name
- ② Output wattage
- ③ Output voltage
- ④ Optional
- C : with Coating
- G : Low leakage current
- P : Parallel operation
- R : with Remote ON/OFF

RoHS

AD



MODEL	AD240-24	AD240-30
MAX OUTPUT WATTAGE[W]	240	240
DC OUTPUT	24V 10A	30V 8A

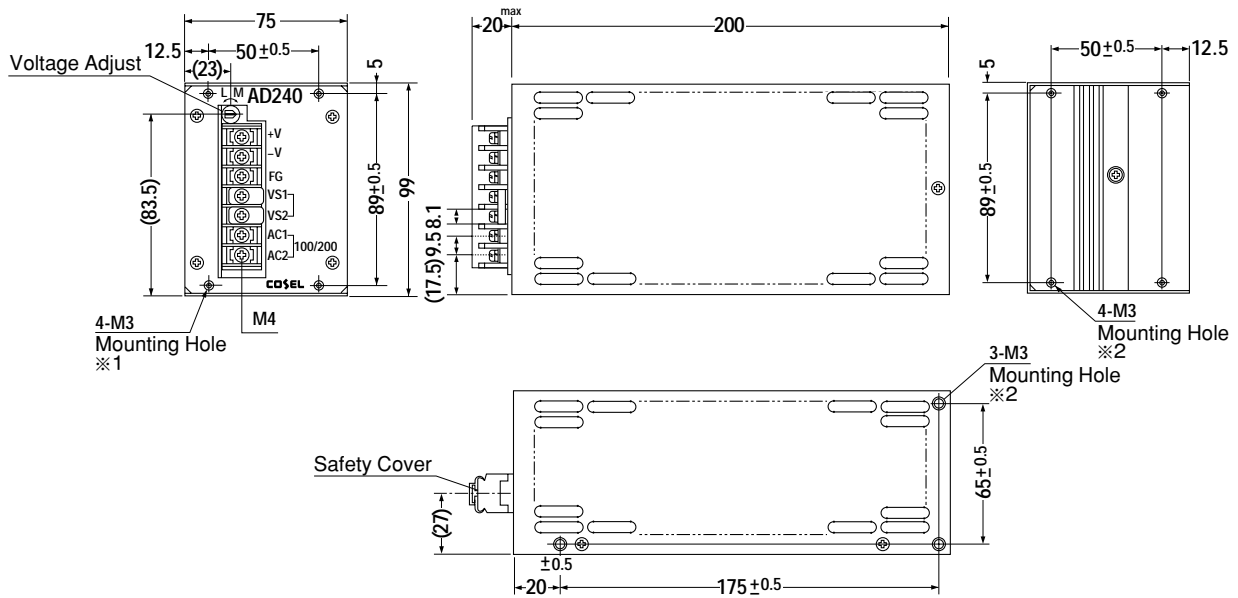
SPECIFICATIONS

	MODEL	AD240-24	AD240-30	
INPUT	VOLTAGE[V]	AC85 - 132 / 170 - 264 1 φ (User-selectable)		
	FREQUENCY[Hz]	47 - 440		
	EFFICIENCY[%]	85typ	85typ	
	INRUSH CURRENT[A]	ACIN 100V	15max (Io=100%)	
		ACIN 200V	30max (Io=100%)	
LEAKAGE CURRENT[ma]	1.0max (60Hz, According to DEN-AN)			
OUTPUT	VOLTAGE[V]	24	30	
	CURRENT[A]	10	8	
	LINE REGULATION[mV]	300max	260max	
	LOAD REGULATION[mV]	300max	420max	
	RIPPLE[mVp-p]	0 to +45°C *1	240max	240max
	RIPPLE NOISE[mVp-p]	0 to +45°C *1	480max	480max
	TEMPERATURE REGULATION[mV]	0 to +45°C	500max	600max
	DRIFT[mV]	*2	500max	120max
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		21.6 - 26.4	28.5 - 33.0
	START-UP TIME[ms]	500max (ACIN 100/200V, Io=100%)		
HOLD-UP TIME[ms]	15typ (ACIN 100/200V, Io=100%)			
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically		
ISOLATION	INPUT-OUTPUT	AC1,500V 1minute, Cutoff current = 10mA, DC500V 100MΩ min (At Room Temperature)		
	INPUT-FG	AC1,500V 1minute, Cutoff current = 10mA, DC500V 100MΩ min (At Room Temperature)		
	OUTPUT-FG	AC500V 1minute, Cutoff current = 50mA, DC500V 100MΩ min (At Room Temperature)		
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	0 to +60°C, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max		
	STORAGE TEMP., HUMID. AND ALTITUDE	-25 to +80°C, 10 - 95%RH (Non condensing), 9,000m (30,000feet) max		
	VIBRATION	10 - 55Hz, 19.6m/s <sup>2</sup> (2G), 3minutes period, 30minutes each along X, Y and Z axis		
	IMPACT	98.0m/s <sup>2</sup> (10G), 20ms, once each X, Y and Z axis		
OTHERS	CASE SIZE/WEIGHT	75 × 99 × 220mm (W × H × D) / 1.8kg max		
	COOLING METHOD	Convection		

\*1 Measured by 15MHz oscilloscope.

\*2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.

External view

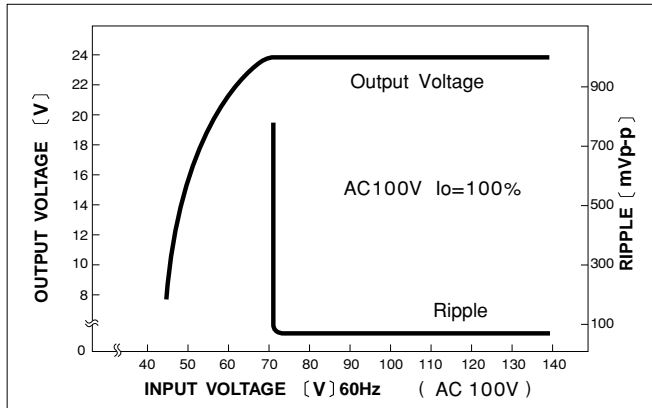


※Mounting torque  
 ※1: 0.6N·m (6.3kgf·cm) max  
 ※2: 0.4N·m (5.0kgf·cm) max

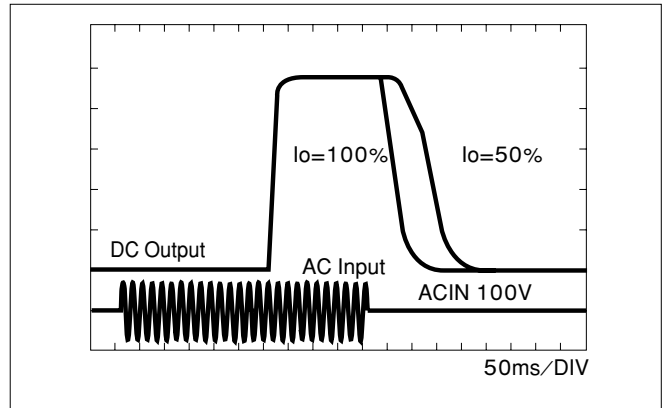
※Weight : 1.8kg or less  
 ※Tolerance : ±1 ※Dimensions in mm.

Performance data

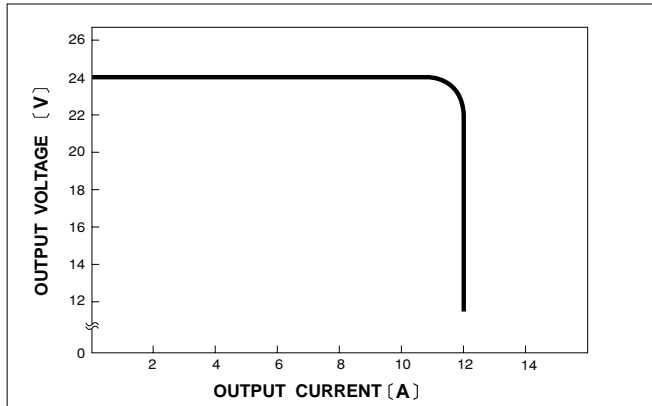
■STATIC CHARACTERISTICS



■RISE TIME & FALL TIME



■OVERCURRENT CHARACTERISTICS



■DERATING CURVE

