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AD480



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]
AD480-24	AC 85 - 264	480	24V 20A
AD480-30	AC 85 - 264	300 (peak 720)	30V 10A (peak 24A)

RoHS

AD



Please refer to derating curve, because the rated load current depends on cooling method that is convention cooling or forced air.

MODEL	AD480-24	AD480-30
MAX OUTPUT WATTAGE[W]	480	300(Peak 720)
DC OUTPUT	24V 20A	30V 10(Peak 24)A Forced air

SPECIFICATIONS

	MODEL	AD480-24	AD480-30	
INPUT	VOLTAGE[V]	AC85 - 132 / 170 - 264 1φ (User-selectable)		
	FREQUENCY[Hz]	47 - 440		
	EFFICIENCY[%]	85typ	85typ	
	INRUSH CURRENT[A]	ACIN 100V	30max (Io=100%)	
		ACIN 200V	60max (Io=100%)	
LEAKAGE CURRENT[ma]	1.0max (60Hz, According to DEN-AN)			
OUTPUT	VOLTAGE[V]	24	30	
	CURRENT[A]	Forced air	20 (Peak 25)	10 (Peak 24)
		Convection	12 (Peak 25) Ta=45°C	10 (Peak 24) Ta=45°C
	LINE REGULATION[mV]	300max	260max	
	LOAD REGULATION[mV]	300max	420max	
	RIPPLE[mVp-p]	*1 240max (0 to +45°C)	240max (0 to +50°C)	
	RIPPLE NOISE[mVp-p]	*1 480max (0 to +45°C)	480max (0 to +50°C)	
	TEMPERATURE REGULATION[mV]	500max (0 to +45°C)	600max (0 to +50°C)	
	DRIFT[mV]	*2 100max	120max	
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	21.6 - 26.4	28.5 - 33.0	
	START-UP TIME[ms]	600max (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		
	REMOTE ON/OFF	Use terminal RC and G		
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 +65°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 ² (2G), 3minutes period, 60minutes each along X, Y and Z axis		
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis		
OTHERS	CASE SIZE/WEIGHT	110 × 140 × 220mm (W × H × D) /3.0kg max		
	COOLING METHOD	Forced air/Convection		

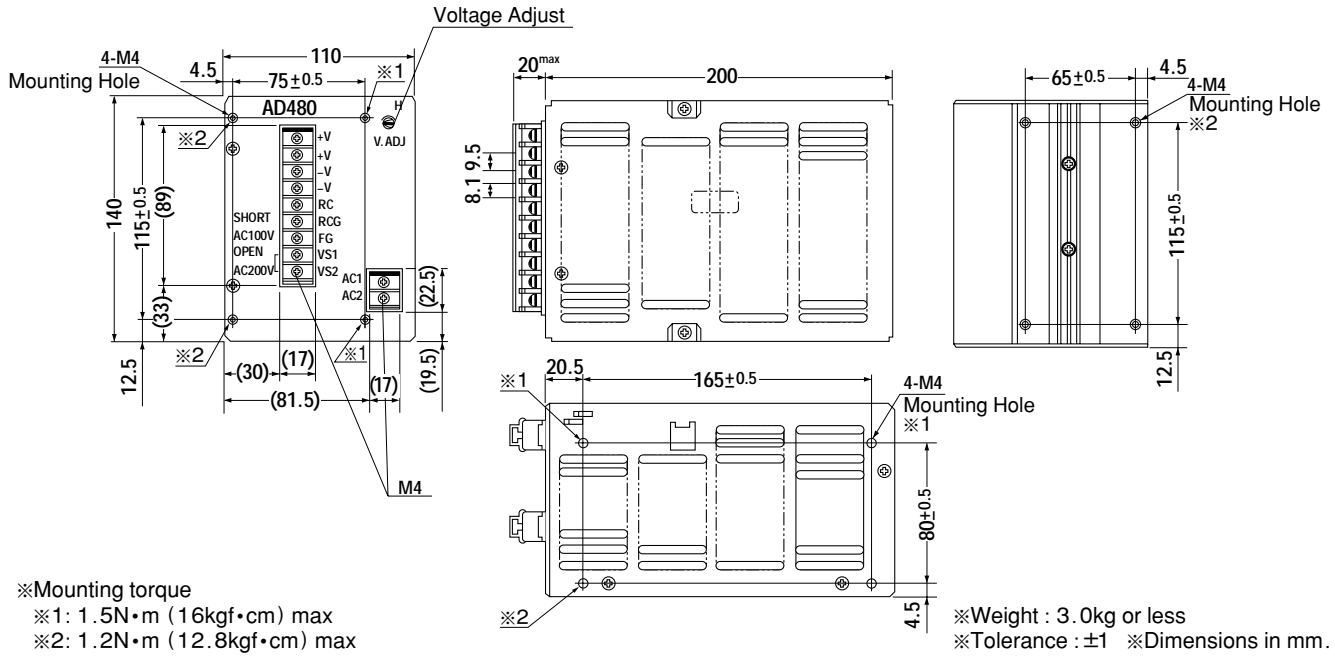
*1 Measured by 20MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN: RM101).

*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.

* When operated at pulse load, attach external capacitor at output line which is complying with the peak value of pulse current.

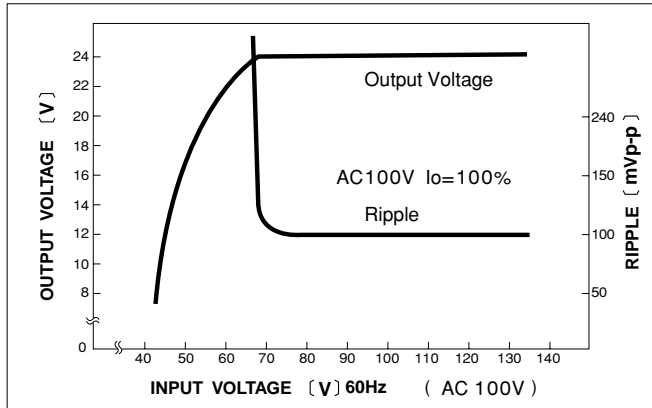
External view

AD

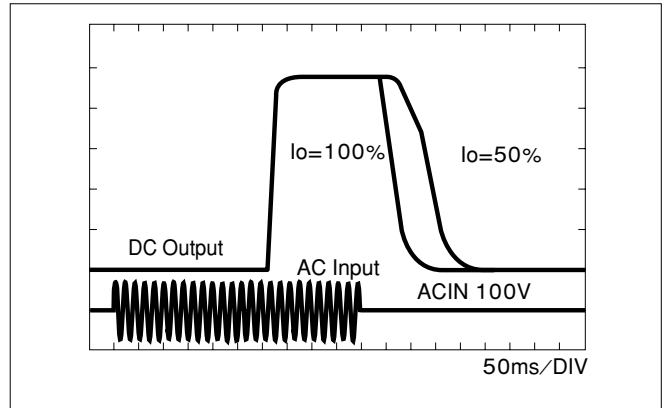


Performance data

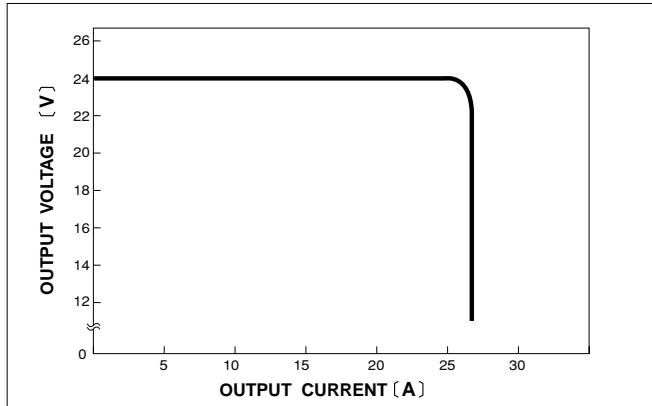
■STATIC CHARACTERISTICS



■RISE TIME & FALL TIME



■OVERCURRENT CHARACTERISTICS



■DERATING CURVE

