



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 1 $\phi$ (User-selectable)		
	FREQUENCY[Hz]	47 - 440		
	EFFICIENCY[%]	85typ	85typ	
	INRUSH CURRENT[A]	ACIN 100V	30max (I <sub>o</sub> =100%)	
		ACIN 200V	60max (I <sub>o</sub> =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, I <sub>o</sub> =100%)			
HOLD-UP TIME[ms]	15typ (ACIN 100/200V, I <sub>o</sub> =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 100M $\Omega$ min (At Room Temperature)		
	INPUT-FG	AC1,500V 1minute, Cutoff current = 10mA, DC500V 100M $\Omega$ min (At Room Temperature)		
	OUTPUT-FG	AC500V 1minute, Cutoff current = 50mA, DC500V 100M $\Omega$ 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 <sup>2</sup> (2G), 3minutes period, 60minutes each along X, Y and Z axis		
	IMPACT	196.1m/s <sup>2</sup> (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.