COSEL **Unit type**

AD480

Ordering information

AD 480 -24

① ② ③

RoHS

AD

①Series name
②Output wattage
③Output voltage

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℃	10 (Peak 24) Ta=45℃
	LINE REGULATION[mV]		300max	260max
	LOAD REGULATION[mV]		300max	420max
	RIPPLE[mVp-p]	※1	240max (0 to +45℃)	240max (0 to +50℃)
	RIPPLE NOISE[mVp-p]	※1	480max (0 to +45℃)	480max (0 to +50℃)
	TEMPERATURE REGULATION[mV]		500max (0 to +45℃)	600max (0 to +50℃)
	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℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
	STORAGE TEMP.,HUMID.AND ALTITUDE		-25 to +80℃, 10 - 95%RH (Non condensing), 9,000m (30,000feet) max	
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis	
	IMPACT		196.1m/s² (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℃, 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.