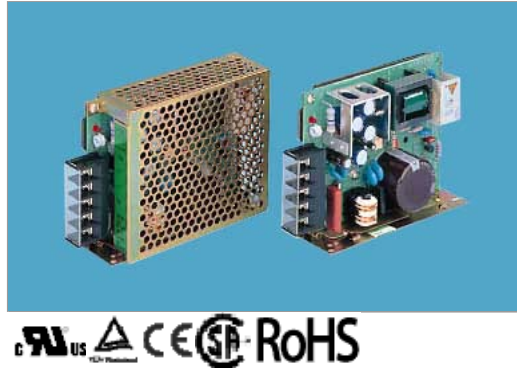


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P30E



Features

- World wide input voltage
- Small and compact size
- Built-in Inrush Current Protection
- Built-in Over Current Protection
- Built-in Over Voltage Protection
- RoHS Compliant

Safety Agency Approvals

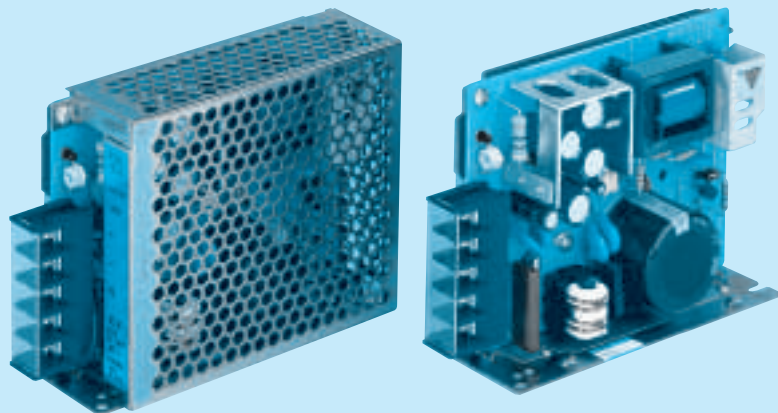
Complies with DEN-AN
UL1950
CSA 22.2 No.234
EN60950, VDE0160 (without PT1500U)

EMI Compliance

P15E, 30E, 50E : Complies with FCC-B
P100E, 150E, 300E, 600E, 1500E, PT1500U : Complies with FCC-A

3 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
P30E-5	DC 110 - 370 AC 85 - 264	30	5V 6A
P30E-9	DC 110 - 370 AC 85 - 264	30.6	9V 3.4A
P30E-12	DC 110 - 370 AC 85 - 264	30	12V 2.5A
P30E-15	DC 110 - 370 AC 85 - 264	30	15V 2A
P30E-18	DC 110 - 370 AC 85 - 264	30.6	18V 1.7A
P30E-24	DC 110 - 370 AC 85 - 264	31.2	24V 1.3A
P30E-30	DC 110 - 370 AC 85 - 264	30	30V 1A
P30E-48	DC 110 - 370 AC 85 - 264	30.24	48V 0.63A



- ① Series name
 ② Output wattage
 ③ UL recognized, TÜV approved, CSA certified: E
 ④ Output voltage
 ⑤ Optional
 C : with Coating
 G : Low leakage current
 J : Connector type
 N : with Cover

MODEL	P30E-5	P30E-9	P30E-12	P30E-15	P30E-18	P30E-24	P30E-30	P30E-48
MAX OUTPUT WATTAGE[W]	30	30.6	30	30	30.6	31.2	30	30.24
DC OUTPUT	5V 6A	9V 3.4A	12V 2.5A	15V 2A	18V 1.7A	24V 1.3A	30V 1.0A	48V 0.63A

SPECIFICATIONS

	MODEL	P30E-5	P30E-9	P30E-12	P30E-15	P30E-18	P30E-24	P30E-30	P30E-48
INPUT	VOLTAGE[V]	AC85 - 264 1ϕ or DC110 - 370							
	CURRENT[A]	ACIN 100V *1	0.6typ (Io=100%)						
		ACIN 200V *1	0.35typ (Io=100%)						
	FREQUENCY[Hz]	47 - 440 or DC							
	EFFICIENCY[%]	74typ	74typ	78typ	79typ	79typ	82typ	82typ	82typ
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)						
ACIN 200V		40typ (Io=100%) (At cold start)							
OUTPUT	VOLTAGE[V]	5	9	12	15	18	24	30	48
	CURRENT[A]	6.0	3.4	2.5	2.0	1.7	1.3	1.0	0.63
	MAX OUTPUT WATTAGE[W]	30	30.6	30	30	30.6	31.2	30	30.24
	LINE REGULATION[mV]	20max	36max	48max	60max	72max	96max	120max	192max
	LOAD REGULATION[mV]	40max	70max	100max	120max	140max	150max	180max	300max
	RIPPLE[mVp-p] *2	80max	120max	120max	120max	120max	120max	120max	150max
	RIPPLE NOISE[mVp-p] *2	120max	150max	150max	150max	150max	150max	150max	250max
	TEMPERATURE REGULATION[mV] 0 to +50℃	50max	90max	120max	150max	180max	240max	300max	480max
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	± 10%							
	START-UP TIME[ms]	100max (ACIN 85V, Io=100%)							
	HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)							
PROTECTION CIRCUIT	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically							
	OVERVOLTAGE PROTECTION	Works at 115 - 140% of rating							
ISOLATION	INPUT-OUTPUT	AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)							
	INPUT-FG	AC2,000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)							
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE	-10 to +65℃, 30 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max							
	STORAGE TEMP.,HUMID.AND ALTITUDE	-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max							
	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 30minutes each along X, Y and Z axis							
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis							
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS	UL60950-1, EN60950-1, EN50178, CSA C22.2 No.234 Complies with DEN-AN and IEC60950-1							
	CONDUCTED NOISE	Complies with FCC-B							

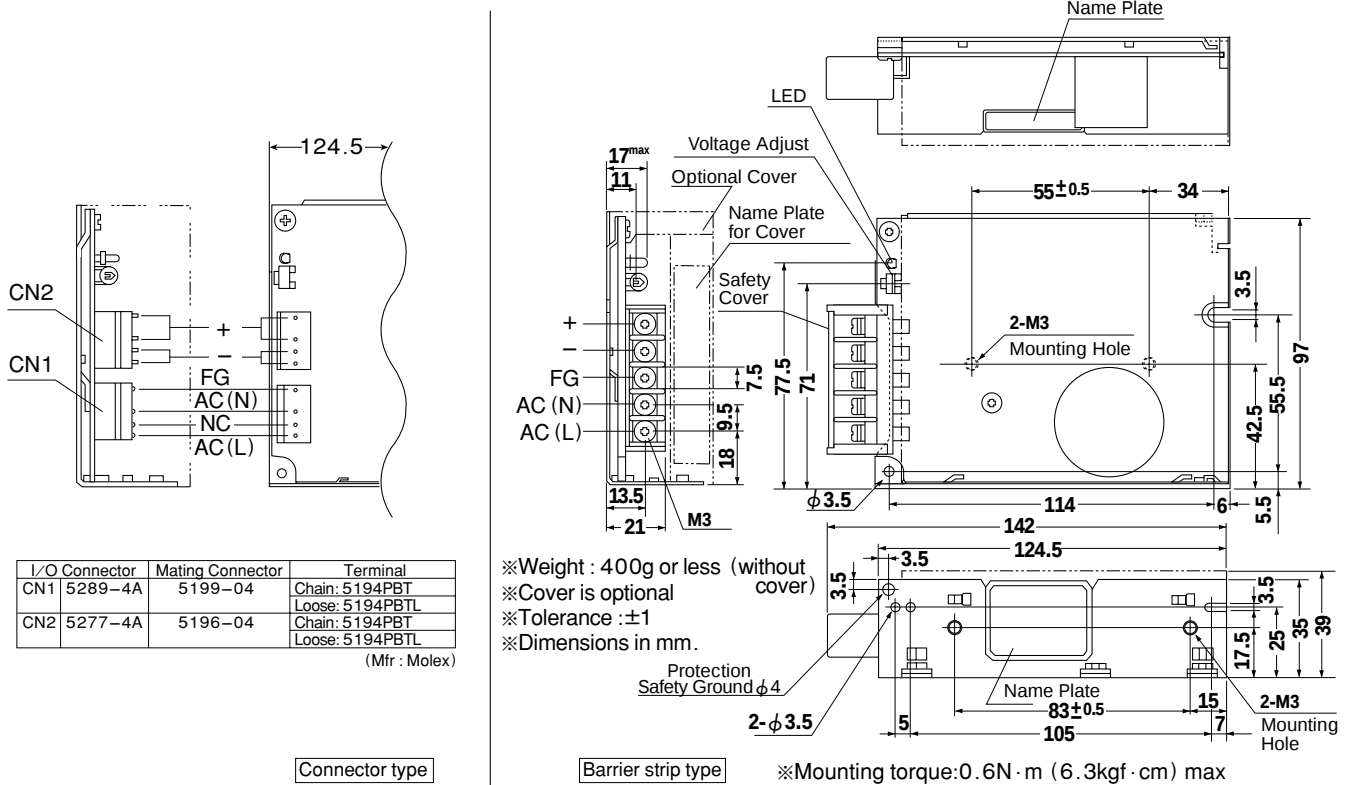
*1 The input current of the agency approved unit is indicated as 0.7A.

*2 According to 15MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN : RM101).

* Derating is required when operated with case cover.

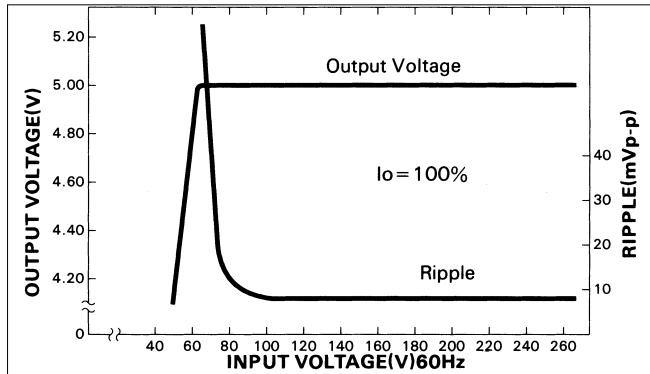
* Parallel operation with other model is not possible.

External view

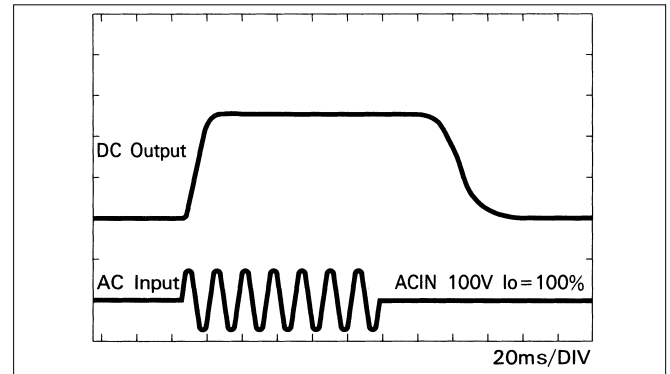


Performance data

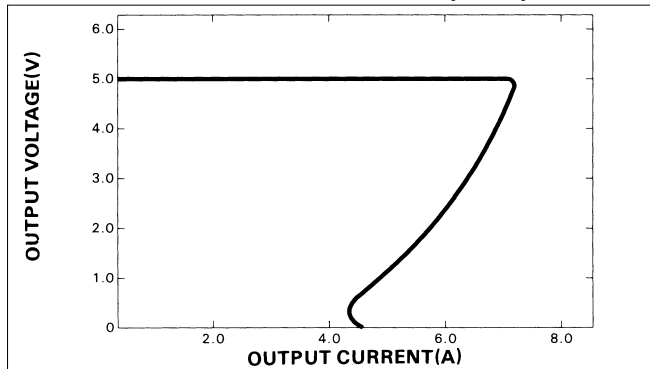
■ STATIC CHARACTERISTICS (P30E-5)



■ RISE TIME & FALL TIME (P30E-5)



■ OVERCURRENT CHARACTERISTICS (P30E-5)



■ DERATING CURVE

