



- 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
<b>INPUT</b>								
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)						
<b>OUTPUT</b>								
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°C	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%)							
<b>PROTECTION CIRCUIT</b>								
OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically							
OVERVOLTAGE PROTECTION	Works at 115 - 140% of rating							
<b>ISOLATION</b>								
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)							
<b>ENVIRONMENT</b>								
OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +65°C, 30 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max							
STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 90%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	196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis							
<b>SAFETY AND NOISE REGULATIONS</b>								
AGENCY APPROVALS	UL1950, EN60950, VDE0160, CSA C22.2 No.234 Complies with DEN-AN and IEC60950							
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.