



- 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	P15E-5	P15E-9	P15E-12	P15E-15	P15E-18	P15E-24	P15E-30	P15E-48
MAX OUTPUT WATTAGE[W]	15	15.3	15.6	15	16.2	16.8	15	16.8
DC OUTPUT	5V 3A	9V 1.7A	12V 1.3A	15V 1A	18V 0.9A	24V 0.7A	30V 0.5A	48V 0.35A

SPECIFICATIONS

	MODEL	P15E-5	P15E-9	P15E-12	P15E-15	P15E-18	P15E-24	P15E-30	P15E-48	
INPUT	VOLTAGE[V]	AC85 - 264 1φ or DC110 - 370								
	CURRENT[A]	ACIN 100V *1	0.3typ (Io=100%)							
		ACIN 200V *1	0.18typ (Io=100%)							
	FREQUENCY[Hz]	47 - 440 or DC								
	EFFICIENCY[%]		73typ	75typ	79typ	81typ	81typ	81typ	81typ	81typ
	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]	3.0	1.7	1.3	1.0	0.9	0.7	0.5	0.35	
	MAX OUTPUT WATTAGE[W]	15.0	15.3	15.6	15.0	16.2	16.8	15.0	16.8	
	LINE REGULATION[mV]	20max	36max	48max	60max	72max	96max	120max	192max	
	LOAD REGULATION[mV]	40max	70max	100max	120max	140max	150max	180max	380max	
	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%)									
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°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 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	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 0.4A.
 *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.