



RoHS : Please consult us for details

- 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
R : Positive logic control

MODEL	P300E-5	P300E-12	P300E-15	P300E-18	P300E-24	P300E-30	P300E-48
MAX OUTPUT WATTAGE[W]	300	324	330	306	336	300	312
DC OUTPUT	5V 60A	12V 27A	15V 22A	18V 17A	24V 14A	30V 10A	48V 6.5A

SPECIFICATIONS

	MODEL	P300E-5	P300E-12	P300E-15	P300E-18	P300E-24	P300E-30	P300E-48	
INPUT	VOLTAGE[V]	AC85 - 132 / 170 - 264 1φ (Auto-selectable)							
	CURRENT[A]	ACIN 100V *1	5.5typ (Io=100%)						
		ACIN 200V *1	3.5typ (Io=100%)						
	FREQUENCY[Hz]	47 - 63							
	EFFICIENCY[%]		74typ	78typ	81typ	81typ	83typ	78typ	79typ
	INRUSH CURRENT[A]	ACIN 100V	25/40typ (Io=100%) (Primary inrush current /Secondary inrush current)						
ACIN 200V		50/40typ (Io=100%) (Primary inrush current /Secondary inrush current)							
OUTPUT	VOLTAGE[V]	5	12	15	18	24	30	48	
	CURRENT[A]	60	27	22	17	14	10	6.5	
	MAX OUTPUT WATTAGE[W]	300	324	330	306	336	300	312	
	LINE REGULATION[mV]	20max	48max	60max	72max	96max	120max	192max	
	LOAD REGULATION[mV]	40max	100max	120max	144max	150max	180max	300max	
	RIPPLE[mVp-p] *2	80max	120max	120max	120max	120max	120max	150max	
	RIPPLE NOISE[mVp-p] *2	120max	150max	150max	150max	150max	200max	400max	
	TEMPERATURE REGULATION[mV]	0 to +50°C	50max	120max	150max	180max	240max	300max	480max
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]	± 10%							
	START-UP TIME[ms]	300max (ACIN 85/170V, Io=100%)							
HOLD-UP TIME[ms]	20typ (ACIN 85/170V, Io=100%) 40typ (ACIN 100/200V, 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 · RC	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 · RC-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)							
	OUTPUT-RC	AC100V 1minute, Cutoff current = 100mA, DC100V 50MΩmin (At Room Temperature)							
ENVIRONMENT	OPERATING TEMP., HUMID. AND ALTITUDE	-10 to +60°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max							
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75°C, 20 - 95%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-A							

*1 The input current of the agency approved unit is indicated as 6.5A (ACIN 100V) or 3.6A (ACIN 200V).
*2 According to 15MHz oscilloscope or Ripple-Noise meter (equivalent to KEISOKU-GIKEN : RM101).