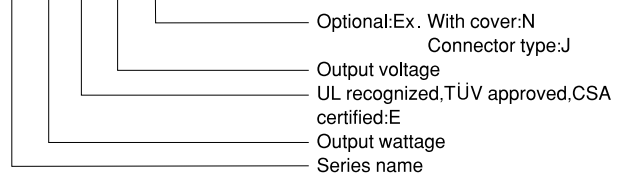


- Small size
- Universal input voltage (AC 85~264 V)
- Built-in inrush current, overcurrent and overvoltage protection circuits
- UL recognized, TÜV approved, CSA certified
- Three-year warranty

ORDERING INFORMATION

P30E-5-



SPECIFICATIONS

	MODEL	P30-5	P30-9	P30-12	P30-15	P30-18	P30-24	P30-30	P30-48	
INPUT	VOLTAGE/ CURRENT	AC85~264V 1 ϕ or DC110~370V / 0.6A typ (ACIN 100V, lo=100%) 0.35A typ (ACIN 200V, lo=100%) ※1								
	FREQUENCY	47~440Hz or DC								
	INRUSH CURRENT	20A typ (ACIN 100V) 40A typ (ACIN 200V) at cold start. (lo = 100 %)								
	EFFICIENCY	74%typ	74%typ	78%typ	79%typ	79%typ	82%typ	82%typ	82%typ	
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	
	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] 0-50°C	50max	90max	120max	150max	180max	240max	300max	480max	
	OUTPUT VOLTAGE ADJUSTMENT RANGE	±10%								
	START-UP TIME [ms]	100max (ACIN 85V, lo = 100%)								
HOLD-UP TIME [ms]	10typ (ACIN 85V, lo = 100%) 20typ (ACIN 100V, lo = 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, DC500V, 50M Ω min. (At Room Temperature)								
	INPUT-FG	AC2,000V, 1minute, DC500V, 50M Ω min. (At Room Temperature)								
	OUTPUT-FG	AC 500V, 1minute, DC500V, 50M Ω min. (At Room Temperature)								
ENVIRONMENT	OPERATING TEMP, HUMID. AND ALTITUDE	-10~+65°C, 30~90%RH (Non condensing) (Refer to DERATING CURVE) , 3,000m (10,000feet) max								
	STORAGE TEMP, HUMID. AND ALTITUDE	-20~+75°C, 20~90%RH (Non condensing) , 9,000m (30,000feet) max								
	VIBRATION	10~55Hz, 19.6m/s ² (2G), 3 minutes period, 30 minutes 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	UL 1950, EN60950 , VDE0160, CSA C22.2 No.234 Complies with DENTORI 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.