

## Industrial Power Supply DIN-Rail



- Features :
- Universal AC input/Full range
  - Protections: Short circuit/Over load/Over voltage/Over temperature
  - Cooling by free air convection
  - Can be installed on DIN rail TS-35/7.5 or 15
  - UL 508(industrial control equipment)approved
  - LED indicator for power on
  - 100% full load burn-in test
  - Fix switching frequency at 100KHz

	MODEL	BC-45-12
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	3.5A
	CURRENT RANGE	0 ~ 3.5A
	RATED POWER	42W
	RIPPLE & NO ISE (max.) Note.2	200mVp-p
	VOLTAGE ADJ. RANGE	10.8 ~ 13.2V
	VOLTAGE TO LERANCE Note.3	±1.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±1.0%
SETUP, RISE TIME		80ms, 60ms/230VAC at full load
	HOLD TIME(Typ.)	100ms/230VAC at full load
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	72%
	AC CURRENT	1.5A/115VAC 0.75A/230VAC
	INRUSH CURRENT(max.)	COLD START 28A/115VAC 56A/230VAC
	LEAKAGE CURRENT	<1mA/240VAC
PROTECTION	OVERLOAD	105 ~ 150% rated output power Protection type : Constant current limiting,recovers automatically after fault condition is removed
	OVER VOLTAGE	5.75 ~ 6.75V Protection type : Shut down o/p voltage,re-power on to recover
	OVER TEMPERATURE	Tj 135°C typically (U1) Detect on heat sink of power transistor Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	
SAFETY & EMC (Note 4)	SAFETY STANDARDS	Design refer to UL508,TUV EN60950-1
	WITHSTAND VOLTAGE	I/P -O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
	ISOLATION RESISTANCE	I/P -O/P, I /P-FG, O/P-FG:100M Ohms/500VDC
	EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR R22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3
	EMS IMMUNITY	Compliance to EN61000-4-2,3, 4,5; ENV50204, EN55024, Light industry level, criteria A
OTHERS	MTBF	364.6K hrs min. MIL-HDBK-217F (25°C)
	DIMENSION	78*93*56mm (L*W*H)
	PACKING	0.31Kg; 48pcs/16.1Kg/1.3CUFT