

PBB9C Series

50-200W SINGLE OUTPUT AC/DC DIN-RAIL

Features

- **DIN rail mount attachment**
- **High current surge 300%**
- **AC187-528V input range**
- **Peak load**



Specifications

INPUT

Voltage	187-528Vac 1ph or 265-746Vdc.
Frequency	47-63Hz.
Input current	240VAC - 0.55A typ for 50W units 240VAC - 0.80A typ for 75W units 240VAC - 1.10A typ for 200W units 480VAC - 0.30A typ for 50W units 480VAC - 0.45A typ for 75W units 480VAC - 0.55A typ for 200W units
Inrush current	240VAC - 25A typ at cold start (at room temperature) 480VAC - 50A typ
Leakage current	0.75mA (60Hz according to IEC60950).

OUTPUT

Power	50W, 75W or 200W.
Voltage	24VDC.
Overvoltage protection	Works at 115% - 140% of rating.
Overcurrent protection	Works over 105%.
Line regulation	96mV max.
Load regulation	Constant current: 150mV max. Peak current: 480mV max.
Ripple noise	0 to +50°C: 680mV p-p. -10 to 0°C: 720mV p-p.
Temperature regulation	-10 to +50°C: 600mV max.
Drift	100mV max.
Start up time	800ms max (ACIN 240V, I ₀ = 100%)
Hold up time	10ms (ACIN 240V, I ₀ = 100%)
Efficiency	240VAC - 82% 480VAC - 78%
Operating Indication	LED (green)
Peak load	150 msec, 35% duty cycle

ENVIRONMENTAL

Operating temperature	-10°C to +70°C max depending on orientation and airflow
Storage temperature	-20°C to +75°C.
Cooling method	Convectational cooling
Humidity	20 to 90% RH(Non-condensing)
Altitude	3,000m (10,000feet) max.
Vibration	10 to 55Hz 2G 3 minutes period, 60minutes each along X,Y and Z axis.
Impact	20G 11ms, once each X,Y and Z axis. Option with DIN rail attachment (N1) is only for direction X.

STANDARDS

Safety standards	UL60950-1, C-UL, EN60950-1, EN50178 (J and L model).
C-Tick	AS/NZS CISPR11 Group 1 Class A.
EMC standards	EN61000-4-2,-3,-4,-5,-6,-8,-11
EMI standards	FCC-A, CISPR11-A, EN55011-A
CE Marking	Complies with LVD and EMC Directives

MECHANICAL

Dimensions	PBB9C-24J: 50x125x124mm (WxHxD) PBB9C-24L: 65x125x124mm (WxHxD) PBB9C-24E: 150x125x125mm (WxHxD)
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Selection Table

NUMBER MODEL	OUTPUT	PEAK CURRENT	RIPPLE & NOISE	EFF.	MAX POWER
PBB9C-24J	24V 2.1A	6.7A	680mV	82%	50W
PBB9C-24L	24V 3.1A	10A	680mV	82%	75W
PBB9C-24E	24V 8.4A	42A	680mV	82%	200W