Home > Product Details

PBW15F





Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
PBW15F-12	DC 110 - 370 AC 85 - 264	16.8	-12 - 12V 0.7 - 1.4A
PBW15F-15	DC 110 - 370 AC 85 - 264	15	-15 - 15V 0.5 - 1A

Features

DIN Rail Attachment (Optional) Universal input voltage V1 isolated from V2 Super small-size & light weight Built-in Over Current Protection RoHS Compliant

Safety Agency Approvals

Complies with DEN-AN EN50178, UL60950-1 EN60950-1 C-UL (CSA60950-1)

EMI Compliance CISPR22-B EN55022-B VCCI-B EN55011-B Complies with FCC Part 15 classB **RoHS**

PBW15F

15 PB

CNUS & CE



Recommended Noise Filter NAC-06-472



High voltage pulse noise type : NAP series Low leakage current type : NAM series *The Noise Filter is recommended to connect with several devices.

E :Low leakage current and EMI class A

(§)Output voltage (§)Optional C:with Coating G:Low leakage current

- T :Vertical terminal block
- J :Connector type
- N :with Cover

①Series name ②Dual output ③Output wattage ④Universal input

- N1:with DIN rail
- V :Output voltage setting potentiometer externally

Cover is optional

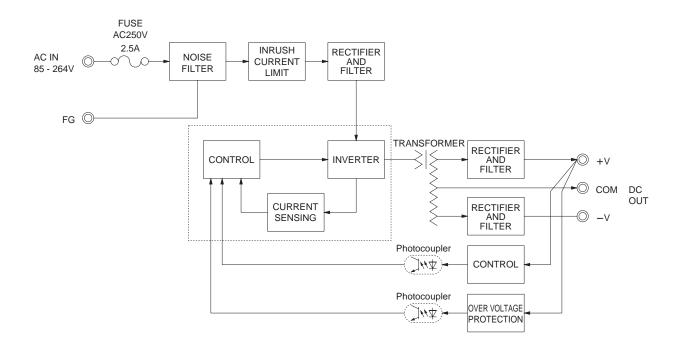
MODEL		PBW15F-12	PBW15F-15
MAX OUTPUT WATTAGE[W] *5		16.8	15.0
DC OUTPUT	VOLTAGE[V] *6	±12 (+24)	±15 (+30)
	CURRENT1[A]	0.7	0.5
	CURRENT2[A] *5	1.4	1.0

SPECIFICATIONS

	MODEL		PBW15F-12		PBW15F-15		
	VOLTAGE[V]		AC85 - 264 1				
INPUT		ACIN 100V	0.40typ (CURRENT1)				
	CURRENT[A]	ACIN 200V	0.20typ (CURRENT1)				
	FREQUENCY[Hz]		50/60 (47 - 440) or DC				
	ACIN 100V		74typ (CURRENT1) 78typ (CURRENT1)				
	EFFICIENCY[%]	ACIN 200V	77typ (CURRENT1)		80typ (CURRENT1)		
		ACIN 100V	15typ (CURRENT1) (At cold start)				
		ACIN 200V	30typ (CURRENT1) (At cold start)				
	LEAKAGE CURRENT[mA]		0.15/0.30max (ACIN 100V/240V 60Hz, Io=100%, According to IEC60950-1,DENAN)				
	VOLTAGE[V]		±12	/ (+24V reference number)	±15	/ (+30V reference number)	
	CURRENT1[A]		0.7	/ 0.7	0.5	/ 0.5	
	CURRENT2[A] *5		1.4	/-	1.0	/ -	
	LINE REGULATION[mV	/] *9	60max	/ 96max	60max	/ 96max	
	LOAD REGULATION 1[[mV] *3	600max	/ 150max	600max	/ 150max	
	LOAD REGULATION 2	[mV] *4	750max	/-	750max	/ -	
	RIPPLE[mVp-p]	0 to +50°C *1	120max	/ 240max	120max	/ 240max	
	KIFFEE[IIIVP-P]	-10 - 0℃ *1	160max	/ 320max	160max	/ 320max	
OUTPUT	RIPPLE NOISE[mVp-p]	0 to +50°C *1	150max	/ 300max	150max	/ 300max	
	KIPPLE NOISE[IIIVP-P]	-10 - 0℃ *1	180max	/ 360max	180max	/ 360max	
	TEMPERATURE REGULATION(mV)	0 to +50℃	120max		150max		
		-10 to +50℃	150max		180max		
	DRIFT[mV] *2		48max 60max				
	START-UP TIME[ms]		200typ(ACIN 100V, lo=100%) *Start-up time is 700ms typ for less than 1minute of applying input again from turning off the input voltage.				
	HOLD-UP TIME[ms]		20typ (ACIN 100V, Io=100%)				
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]				13.2 - 16.5 (+V and -V are simultaneously adjusted)		
	OUTPUT VOLTAGE SETTING[V]						
DDOTECTION			Works over 105% of rated current and recovers automatically				
PROTECTION CIRCUIT AND	OVERVOEINGE : NOTEOTION[V]		16.8 - 24.0 20.0 - 29.0				
OTHERS	OPERATING INDICATION	ON	LED (Green)				
	REMOTE ON/OFF		None				
ISOLATION	INPUT-OUTPUT AC3,000V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (At Room Temperature)						
	INPUT-FG		AC2,000V 1minute, Cutoff current = 10mA, DC500V 50M Ω min (At Room Temperature)				
	OUTPUT-FG		AC500V 1minute, Cutoff current = 25mA, DC500V 50M Ω min (At Room Temperature)				
ENVIDONMENT	OPERATING TEMP.,HUMID.AND		-10 to +71°C (Required Derating), 20 - 90%RH (Non condensing) 3,000m (10,000feet) max				
	STORAGE TEMP.,HUMID.AND	ALTITUDE	-20 to +75°C, 20 - 90%RH (Non condensing) 3,000m (10,000feet) max				
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis				
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis				
SAFETY AND			UL60950-1, C-UL(CSA60950-1), EN60950-1, EN50178 Complies with DEN-AN				
NOISE	CONDUCTED NOISE		Complies with FCC Part15 classB, VCCI-B, CISPR22-B, EN55011-B, EN55022-B				
REGULATIONS			Low Voltage Directive, EMC Directive				
	HARMONIC ATTENUAT	IOR	Complies with IEC61000-3-2 (Not built-in to active filter *7) 31 x 78 x 85mm (without terminal block) (W x H x D) / 200g max (without cover)				
OTHERS -	CASE SIZE/WEIGHT			al block) (W×H×D) / 200g ma	x (without cover)		
	COOLING METHOD		Convection				

- *1 Measured by 20MHz oscilloscope or Ripple-Noise meter(equivalent to KEISOKU-GIKEN: RM101).
- *2 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃.
- *3 Figures for 0 to rated current 1.The current not measured side is fixed.
- *4 Figures for 0 to rated current 2.The current not measured side is fixed.
- *5 The sum of +power -power must be less than output power.
- *6 $\pm 12, \pm 15$ can be used as +24 and +30.
- *7 When two or more units are used,they may not comply with the harmonic attenuator. Please contact us for details.
- *8 Derating is required.
- Figures to rated current 1.
- Parallel operation with other model is not possible.
- Derating is required when operated with cover.
- A sound may occur from power supply at peak loading.

Block diagram



External view

* External size of option T,J,N,N1 and V is different from standard model and refer to 7 Option of instruction manual for details.

