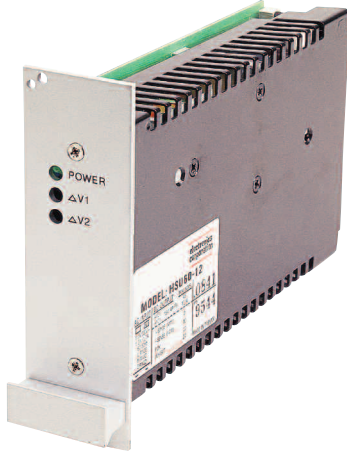


PBJE Series

45-100 WATTS AC/DC & DC/DC SINGLE & MULTIPLE OUTPUT

FEATURES

- AC input 115/230 VAC
- DC input 9-72 VDC
- Fully isolated output
- AC power fail signal, optional
- Short circuit protection
- Overvoltage protection
- Compatible Eurocard format



SPECIFICATIONS

INPUT	
Input voltage	115/230VAC dual selectable 9–18VDC, add “-12” to model No. 18–36VDC, add “-24” to model No. 36–72VDC, add “-48” to model No.
Input protection	Input fuse
Inrush current	AC inputs: 25A @ 230 V AC
OUTPUT	
Output Voltage	See table
Output Voltage Adjustment	Output 1 adjusts from -10% to OVP trip point For AC inputs, 60W & 100W Output 2 adjusts $\pm 10\%$
Output current	See table
Ripple & noise	1% typical, 2% max.
Line regulation	0.4% typical
Load regulation	Output 1, 1% typical; Outputs 2 & 3, 2-3% typical
Overvoltage protection	Yes, on Output 1
Overload protection	Yes, at 125%–150% rated power
Short circuit protection	Yes
Transient response	3ms for AC inputs, 25% load change
Holdup time	20ms at 115 VAC 50ms at 230 VAC
Rise time	400mS typical for DC inputs
Remote sense	Available on AC input units, single outputs
OPERATING	
Efficiency	70%–75% typical
Safety isolation	AC Input: Input – Output: 3750VAC Input – Ground: 1500VAC Output – Ground: 500VAC DC Input: Input – Output: 1500VAC Input – Ground: 500VAC Output – Ground: 500VAC
Remote logic inhibit	Yes available all models
Powerfail signal	Yes available all models

ENVIRONMENTAL	
Operating temperature	0°C to 50°C full rating
Inside rack space	50°C to 70°C derate linearly to half load
Storage temperature	-20°C to 85°C
Cooling	Convection cooled
Safety standards	IEC60950-1/UL60950-1 Class 1
C-Tick	AS/NZS CISPR11: 2002 Group1 Class A
EMI standards	Meet CISPR PUB 22, FCC Class B
MECHANICAL	
Dimensions	45W: 30.3x128.7x160mm 60W: 40.5x128.7x160mm 100W: 50.6x128.7x160mm
Connector	DIN 41612-15

PBJE Series

45-100 WATTS AC/DC & DC/DC SINGLE & MULTIPLE OUTPUT

SELECTION TABLE - 45W

MODEL NUMBER	OUTPUT 1		OUTPUT 2		OUTPUT 3	
	V	I	V	I	V	I
PBJE45-10	5V	9A				
PBJE45-11	12V	4A				
PBJE45-12	15V	3A				
PBJE45-13	24V	2A				
PBJE45-20	5V	4A	12V	2A		
PBJE45-21	12V	2A	12V	1.5-2A		
PBJE45-22*	5V	4A	15V	1.2A		
PBJE45-23	15V	1.5A	15V	1.5A		
PBJE45-24	5V	4A	24V	1A		
PBJE45-25	24V	1A	24V	1A		
PBJE45-30	5V	3A	12V	2A	5V	0.5A
PBJE45-31	5V	3A	15V	2A	15V	0.5A
PBJE45-32	5V	3A	12V	2A	12V	0.5A
PBJE45-33	5V	3A	24V	1A	12V	0.5A

SELECTION TABLE - 100W

MODEL NUMBER	OUTPUT 1		OUTPUT 2		OUTPUT 3	
	V	I	V	I	V	I
PBJE100-10	5V	20A				
PBJE100-11	12V	8.5A				
PBJE100-12	15V	7A				
PBJE100-13	24V	4.3A				
PBJE100-20	5V	8A	12V	5A		
PBJE100-21	12V	4.2A	12V	4.2A		
PBJE100-22*	5V	8A	15V	4A		
PBJE100-23	15V	3.4A	15V	3.4A		
PBJE100-24	5V	8A	24V	2.5A		
PBJE100-25	24V	2.1A	24V	2.1A		
PBJE100-30	5V	7A	12V	5A	5V	1A
PBJE100-31	5V	6A	15V	4A	15V	0.6A
PBJE100-32	5V	7A	12V	5A	12V	0.5A
PBJE100-33	5V	7A	24V	2.5A	12V	0.5A

SELECTION TABLE - 60W

MODEL NUMBER	OUTPUT 1		OUTPUT 2		OUTPUT 3	
	V	I	V	I	V	I
PBJE60-10	5V	12A				
PBJE60-11	12V	5A				
PBJE60-12	15V	4A				
PBJE60-13	24V	2.5A				
PBJE60-20	5V	5A	12V	3A		
PBJE60-21	12V	2.5A	12V	2.5A		
PBJE60-22*	5V	5A	15V	2.5A		
PBJE60-23	15V	2A	15V	2A		
PBJE60-24	5V	5A	24V	1.5A		
PBJE60-25	24V	1.4A	24V	1.4A		
PBJE60-30	5V	5A	12V	2.5A	5V	1A
PBJE60-31	5V	4.5A	15V	2-2.5A	15V	0.5A
PBJE60-32	5V	5A	12V	2.5A	12V	0.5A
PBJE60-33	5V	5A	24V	1.3-1.5A	12V	0.5A

INPUT/OUTPUT CONNECTIONS

PIN	SINGLE OUTPUT	DUAL OUTPUT	TRIPLE OUTPUT
4	+V01	+V01	+V01
6	+V01	-V01	+V01
8	SENSE+	+V02	-V01
10	SENSE-	-V02	-V01
12	-V01	NC	+V02
14	-V01	NC	-V02
16	NC	NC	+V03
18	NC	NC	-V03
20	Log inh	Log inh	Log inh
22	Power fail	Power fail	Power fail
24	NC	NC	NC
26	NC	NC	NC
28	AC Line/DC I/P (+)	AC Line/DC I/P (+)	AC Line/DC I/P (+)
30	AC Neutral/DC I/P (-)	AC Neutral/DC I/P (-)	AC Neutral/DC I/P (-)
32	Safety Ground	Safety Ground	Safety Ground

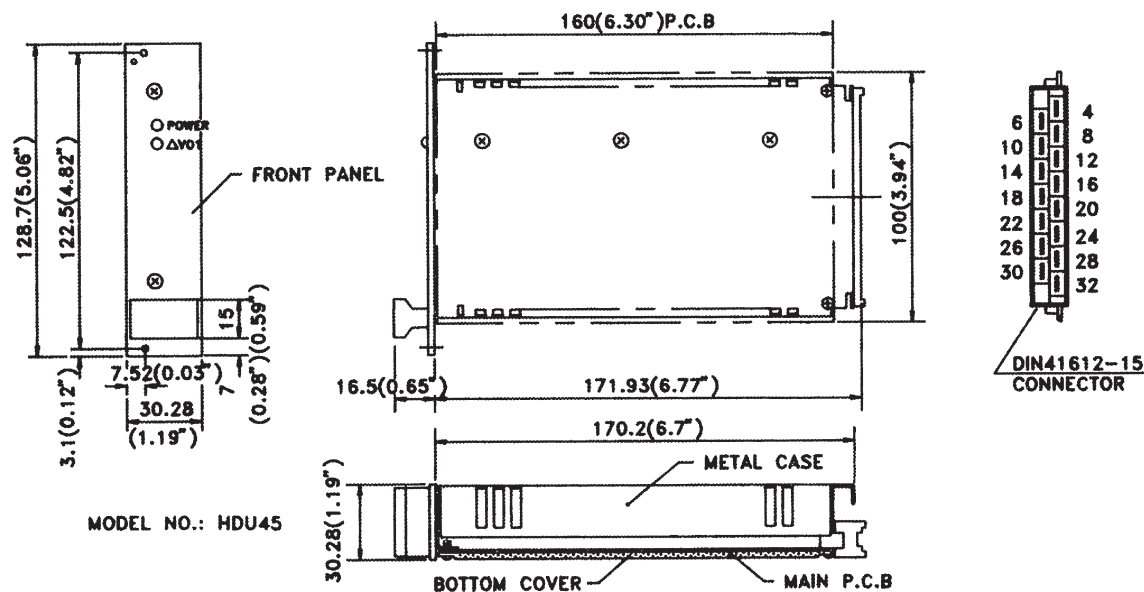
NOTE: Above current rating are maximum current ratings. Maximum current cannot be drawn from all outputs simultaneously. Average power should not exceed the power rating of circuit.
* AC version only.

PBJE Series

45-100 WATTS DC/DC SINGLE DUAL & MULTIPLE OUTPUT

TECHNICAL ILLUSTRATIONS

PBJE45



PBJE60

