

# PBDD Series

52-132 WATTS DC/DC SINGLE

## Features

- High efficiency for mobile communication.
- Lifetime reliability.
- Easy installation, small foot print.
- Low cost.
- EMC compliant.
- Ideal for high vibration/impact services.



## Specifications

### INPUT

Input voltage 15-38Vdc.

### OUTPUT

Output voltage 13.2Vdc

Voltage adjustment N/A

Output current See table

Output noise CISPR25, <50mV p-p at full load.

No load current <15mA.

Output & fault indications Green & red LEDs.

Reverse input protection Yes.

Transients protection Yes.

Overcurrent protection Yes.

Overvoltage protection Yes.

Transient protection ISO7637-2

Electrostatic protection ISO10605/14982. >8kV contact and 15kV discharge

Duty cycle Peak load is available for a maximum of 5 minutes in each 20 minutes.

### OPERATING

Efficiency >90%

### ENVIRONMENTAL

Operating temperature -25°C to 30°C.  
Above 30°C ambient, reduce continuous load by 2% per °C.

Cooling Convection cooled.

Humidity 90% non condensing.

Environmental protection IP53 dust, water and impact resistance.

## STANDARDS AND APPROVALS

EMC testing AS/NZS2064, EN50081-2.

Compliance marking C-tick, CE mark.

## MECHANICALS

Case material T6063 marine grade aluminium, anodised.

Colour Blue.

End caps and brackets Glass filled nylon 6.

Electrical construction Surface mount technology.

Electrical connection Recessed 6.3mm spade terminals. Insulated push on connectors supplied.

Installation Mounting bracket - supplied with screws

Dimensions 70x75x32mm (PBDD5026J).  
80x75x32mm (PBDD5024M).  
90x75x32mm (PBDD5027R).

Weight with bracket 159g (PBDD5026J), 198g (PBDD5026JM).  
198g (PBDD5024M), 237g (PBDD5024JM).  
212g (PBDD5027R), 251g (PBDD5027RM).

MODEL NUMBER	OUTPUT			Accessory Output (13.2V,100mA)
	VNOM	INOM	IPEAK	
PBDD-5026J	13.2V	4.0A	7A	YES-PBDD-5026JM
PBDD-5024M	13.2V	7.0A	10A	YES-PBDD-5024MM
PBDD-5027R	13.2V	10.0A	14A	YES-PBDD-5027RM