EMC Charateristics		
Immunity:		
ESD air enclosure:	EN61000-4-2 8 kV, 6 kV	(Air contact)
Input transients:	IBC25AET4812 IBC20AES4812 IBC17AEW4812	60 V. 100 ms 60 V. 100 ms 100 V. 100 ms
General Specifications		
Efficiency:		See table
Basic insulation:	Input/output	2250 Vdc
Switching frequency:	Fixed	600 kHz typ.
Approvals and standards (see note 5):		EN60950-1 VDE UL/cUL60950-1
Material flammability:		UL94V-0
Weight:		33 g (1.16 oz)
MTBF Representative model:	Telcordia Tech SR-332 48 Vin, 40 °C, 50% load ground benign	5,500,000 hours

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Environmental Specifications

Thermal performance:	Operating ambient temperature Non-operating	-40 °C to +85 °C -55 °C to +125 °C
Protection		
Short-circuit:		Hiccup
Overvoltage:	(See note 9)	Non-latching
Thermal:		125 °C hot spot

All specifications are typical at nominal input, full load at 25° C unless otherwise stated.

Ordering Information									
Output	Input	Output	Output	Output Current	Output Current Efficiency	Regulation ² (typical)			Mar dal Niamahan
Power (Max.)	Voltage	Voltage	Current (Min.)	(Max.) (Typ.)	Set Point Accuracy %	Line %	Load %	Model Number	
300 W	42 - 53 Vdc	12 V	0 A	25 A	95.5%		+10, -12.5%	±1.5%	IBC25AET4812J
240 W	42 - 53 Vdc	12 V	0 A	20 A	94.5%	±0.25%	±0.3%	-2/-1.5%	IBC20AES4812J
200 W	36 - 75 Vdc	12 V	0 A	17 A	94.0%	±0.25%	±1.0%	-3/+2%	IBC17AEW4812J

CAUTION: Hazardous internal voltages and high temperatures. Ensure that unit is not user accessible.

Part Number System with Options

Product Family	Rated Output Current	Form Factor	Input Voltage Type	Input Voltage	Output Voltage	Remote ON/ OFF Logic	Module Height	Pin Length Options	RoHS Compliance (7,8)
IBC	17A	E	W	48	12	- R	Α	N	J
IBC Intermediate Bus Converter 2nd Generation	17 A = 17 Amps etc.	E = Eighth- Brick Q = Quarter- brick S = Sixteenth- brick	T = Narrow Input Fixed Ratio S = Narrow Input Semi-reguated N = Narrow Telecom Fixed Ratio W = Wide Telecom Semi-reguated	48 = 48 V	12 = 12 V	Blank = Positive R = Negative (See Note 6)	A = Open-frame 0.40 in (10.2 mm) E = Open-rame, 0.45 in (11.4 mm)	Blank = 0.188 " (4.78 mm) N = 0.145 " (3.68 mm) K = 0.110 " (2.79 mm)	J = Pb-free (RoHS 6/6 compliant) Y = RoHS 5/6 compliant

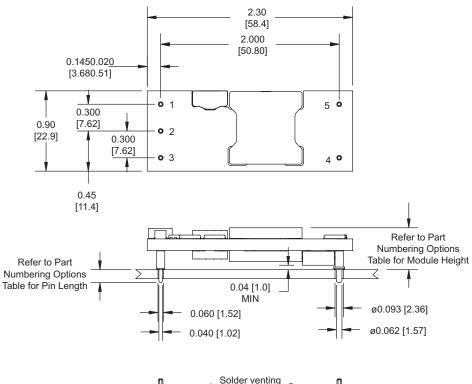
Notes

- Recommended input fusing is a 20 A HRC 250 V rated fuse.
- Measured with external filter. See Application Note 182 for details.
- Start-up into resistive load.
- Peak to peak measured without external Pi filter. Significant reduction possible with external filter. See Application Note 182 for details.
- This product is only for inclusion by professional installers within other equipment and must not be operated as a stand alone product.
- Active-low remote ON/OFF option is also available. Please add the suffix '-R'
- TSE RoHS 5/6 (non Pb-free) compliant versions may be available on special request, please contact your local sales representative for details.

 NOTICE: Some models do not support all options. Please contact your local sales representative for details.

 NOTICE: Some models do not support all options. Please contact your local Sales representative or use the on-line model number search tool at http://www.powerconversion.com to find a suitable alternative.

Mechanical Drawing





Dimensions in Inches (mm)	Pin Connections			
Tolerances (unless otherwise specified) x.xx 0.02 (x.x 0.5) x.xxx 0.010 (x.xx 0.25)	Pin Number	Function		
x.xxx 0.010 (x.xx 0.25)	1	+Vin		
	2	Remote ON/OFF		
	3	-Vin		
	4	-Vout		
	5	+Vout		

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