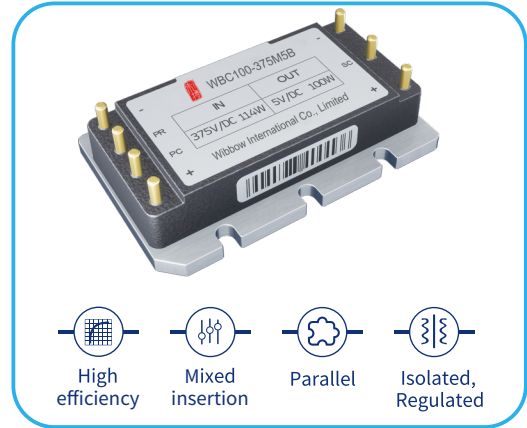




WBC375 Series Quarter Brick DC-DC Converter

Features

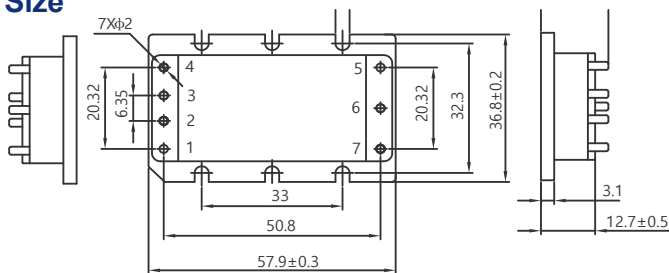
- Isolated, Regulated
- Variable frequency control, mixed insertion with Vicor V375C series
- Input surge resistance: 500V/100ms
- Wide-output voltage regulation range: 75% ~ 110%
- About 5% higher efficiency than similar Vicor products
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- Supports 8 parallel expansion (ORING not required)
- 3000Vac isolation
- Operating temperature: -55°C~100°C (non-derating)
- Quarter brick standard package: 57.9 x36.8 x12.7 mm
- Comply with the General Specification for Microcircuit Modules (SJ20668)



Product specification

Product series	Input voltage range	Output voltage range	Adjustable range	Output current	Output power	Efficiency	Development progress
WBC75-375M3V3B	250~425V	3.3V	75%~110%	22.7A	75W	86.5%	Available
WBC100-375M5B	250~425V	5V	75%~110%	20A	100W	89%	Available
WBC100-375M8B	250~425V	8V	75%~110%	12.5A	100W	88.5%	Available
WBC150-375M12B	250~425V	12V	75%~110%	12.5A	150W	89.5%	Available
WBC150-375M15B	250~425V	15V	75%~110%	10A	150W	90.7%	Available
WBC150-375M24B	250~425V	24V	75%~110%	6.25A	150W	90.2%	Available
WBC150-375M28B	250~425V	28V	75%~110%	5.36A	150W	90.5%	Available
WBC150-375M36B	250~425V	36V	75%~110%	4.17A	150W	90.2%	Available
WBC150-375M48B	250~425V	48V	75%~110%	3.13A	150W	90.2%	Available

Shape & Size



Pin No.	Label	Function
1	+IN	Positive input power terminal
2	PC	Primary side control
3	PR	Parallel terminal
4	-IN	Negative input power terminal
5	-OUT	Negative output power terminal
6	SC	Secondary side control terminal
7	+OUT	Positive output power terminal

Part Numbering

WB	C	75	-	375	M	3V3	B
Brand Name	Package Type	Output power	-	Input voltage range	Temperature Grade	Output voltage range	Version
Wibbow	A: Full-brick B: 1/2 brick C: 1/4 brick	75: 75W 100: 100W 150: 150W		375: 250~425V	M : Tc: -55~100°C Ts: -65~100°C H : Tc: -40~100°C Ts: -55~100°C T : Tc: -40~100°C T : -40~100°C	3V3: 3.3V 5: 5V 8: 8V 12: 12V 15: 15V 24: 24V 28: 28V 36: 36V 48: 48V	B: Standard version