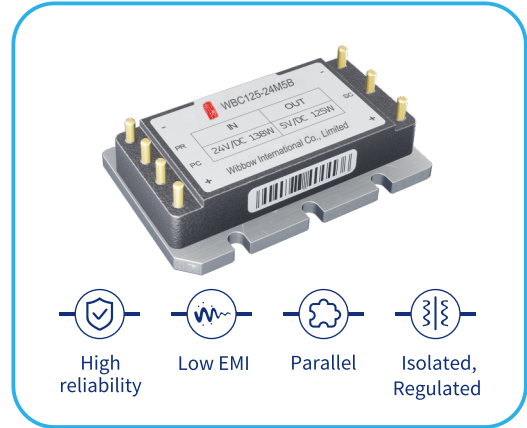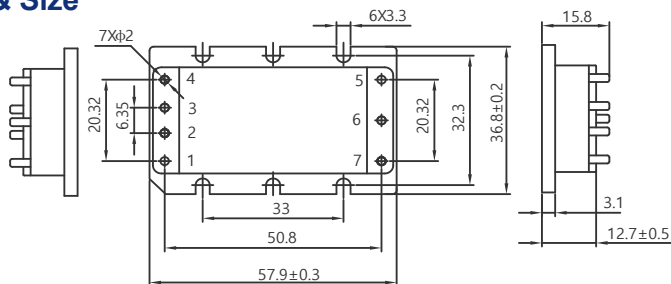# WBC24 Series Quarter Brick DC-DC Converter

Features

- Isolated, Regulated
- Pin-to-Pin compatible with Vicor V24C series
- Input surge resistance: 50V/100ms
- Output adjustment range: 75% ~ 110%
- 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 × 36.8 × 12.7 mm
- Comply with the General Specification for Microcircuit Modules (SJ20668)

High reliability | Low EMI | Parallel | Isolated, Regulated

Product specification

Product series	Input voltage range	Output voltage range	Adjustable range	Output current	Output power	Efficiency	Development progress
WBC75-24M3V3B	18～40V	3.3V	75%~110%	22.72A	75W	88.5%	Available
WBC125-24M5B	18～40V	5V	75%~110%	25A	125W	90.5%	Available
WBC125-24M8B	18～40V	8V	75%~110%	15.7A	125W	91%	Available
WBC150-24M12B	18～40V	12V	75%~110%	12.5A	150W	91.%	Available
WBC150-24M15B	18～40V	15V	75%~110%	10A	150W	92%	Available
WBC150-24M24B	18～40V	24V	75%~110%	6.3A	150W	88.5%	Available
WBC150-24M28B	18～40V	28V	75%~110%	5.4A	150W	89.5%	Available
WBC150-24M36B	18～40V	36V	75%~110%	4.17A	150W	88%	Available
WBC150-24M48B	18～40V	48V	75%~110%	3.1A	150W	89.5%	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	-	24	M	12	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 125: 125W 150: 150W		24: 18~40V	M : T_C: -55~100°C T_S: -65~100°C H: T_C: -40~100°C T_S: -55~100°C T : T_C: -40~100°C T_S: -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