



WBA24 Series Half-brick DC-DC Converter

Features

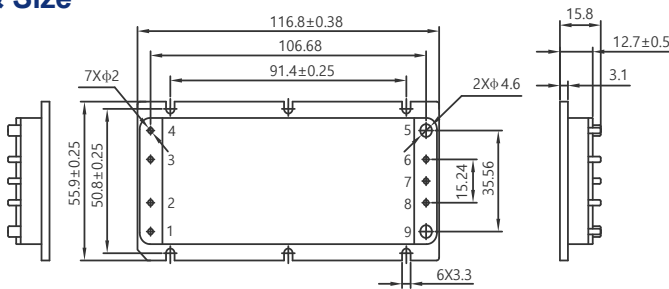
- Isolated, Regulated
- Pin-to-Pin compatible with Vicor V24A series
- Input surge resistance: 50V/100ms
- Output adjustment range: 75% ~ 110%
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- Supports 8 parallel expansion (ORING not required)
- 3000Vac isolation
- Operating temperature: -55°C~100°C (non-derating)
- Full-brick standard package: 116.8 x55.9x12.7 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
WBA300-24M3V3B	18~40V	3.3V	75%~110%	90.9A	300W	88.2%	In development
WBA400-24M5B	18~40V	5V	75%~110%	80A	400W	88.5%	In development
WBA300-24M8B	18~40V	8V	75%~110%	37.5A	300W	88.6%	In development
WBA400-24M12B	18~40V	12V	75%~110%	33.4A	400W	91.5%	In development
WBA400-24M15B	18~40V	15V	75%~110%	26.7A	400W	91.0%	In development
WBA500-24M24B	18~40V	24V	75%~110%	20.8A	500W	91.1%	In development
WBA500-24M28B	18~40V	28V	75%~110%	17.9A	500W	90.5%	In development
WBA500-24M36B	18~40V	36V	75%~110%	13.9A	500W	90.0%	In development
WBA500-24M48B	18~40V	48V	75%~110%	10.4A	500W	89.1%	In development

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	-S	Distal compensation negative terminal
7	SC	Secondary side control terminal
8	+S	Distal compensation positive terminal
9	+OUT	Positive output power terminal

Part Numbering

WB	A	300	-	24	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	300: 300W 400: 400W 500: 500W		24: 18~40V	M: Tc: -55~100°C Ts: -65~100°C H: Tc: -40~100°C Ts: -55~100°C T: Tc: -40~100°C Ts: -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