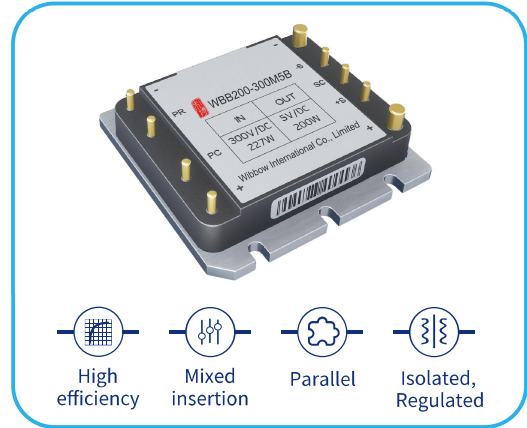




WBB300 Series Half-brick DC-DC Converter

Features

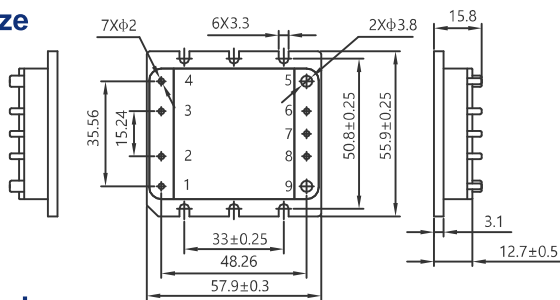
- Isolated, Regulated
- Variable frequency control, mixed insertion with Vicor V300B series
- Input surge resistance: 400V/100ms
- Wide output adjustment range: 75%~110%
- About 5% higher efficiency than similar Vicor products
- Over-voltage, under-voltage, over-current, short-circuit and thermal protections
- Supports 8 parallel expansion (ORING not required)
- 3000Vac isolation
- Operating temperature: -55°C~100°C (non-derating)
- Half-brick standard package: 57.9 × 55.9 × 12.7 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
WBB150-300M3V3B	180~375V	3.3V	75%~110%	45.4A	150W	85%	Available
WBB200-300M5B	180~375V	5V	75%~110%	40A	200W	89%	Available
WBB200-300M8B	180~375V	8V	75%~110%	25A	200W	91%	Available
WBB250-300M12B	180~375V	12V	75%~110%	20.8A	250W	91.9%	Available
WBB250-300M15B	180~375V	15V	75%~110%	16.7A	250W	91.8%	Available
WBB250-300M24B	180~375V	24V	75%~110%	10.4A	250W	91.5%	Available
WBB250-300M28B	180~375V	28V	75%~110%	8.9A	250W	91.5%	Available
WBB250-300M36B	180~375V	36V	75%~110%	6.9A	250W	90.5%	Available
WBB250-300M48B	180~375V	48V	75%~110%	5.2A	250W	90.5%	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	-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	B	150	-	300	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	150: 150W 200: 200W 250: 250W		300: 180~375V	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