

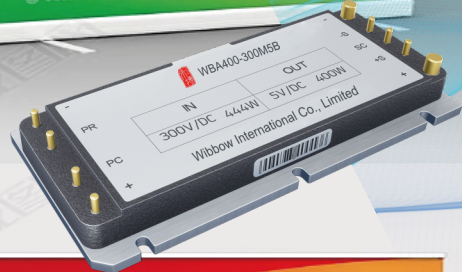


Wibbow

WBA300 Series Full-brick DC-DC Converter

Features

- Isolated, Regulated
- Variable frequency control, mixed insertion with Vicor V300A 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)
- Full brick standard package: 116.8 × 55.9 × 12.7 mm
- Comply with the General Specification for Microcircuit Modules (SJ20668)



High efficiency

Mixed insertion

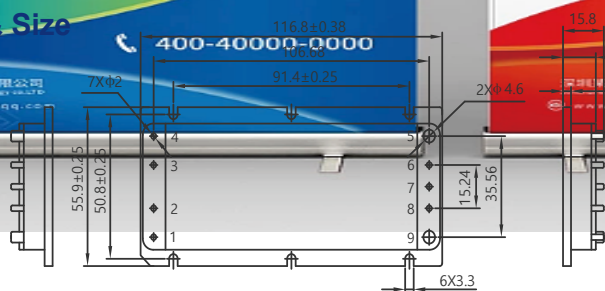
Parallel

Isolated, Regulated

Product specification

Product series	Input voltage range	Output voltage range	Adjustable range	Output current	Output power	Efficiency	Development progress
WBA264-300M3V3B	180~375V	3.3V	75%~110%	80A	264W	88%	Available
WBA400-300M5B	180~375V	5V	75%~110%	80A	400W	91%	Available
WBA400-300M8B	180~375V	8V	75%~110%	50A	400W	91.5%	Available
WBA600-300M12B	180~375V	12V	75%~110%	50A	600W	92.5%	Available
WBA600-300M15B	180~375V	15V	75%~110%	40A	600W	93%	Available
WBA600-300M24B	180~375V	24V	75%~110%	25A	600W	93%	Available
WBA600-300M28B	180~375V	28V	75%~110%	21.5A	600W	92.5%	Available
WBA600-300M36B	180~375V	36V	75%~110%	16.7A	600W	93%	Available
WBA600-300M48B	180~375V	48V	75%~110%	12.5A	600W	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	A	264	-	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	264: 264W 400: 400W 600: 600W		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