

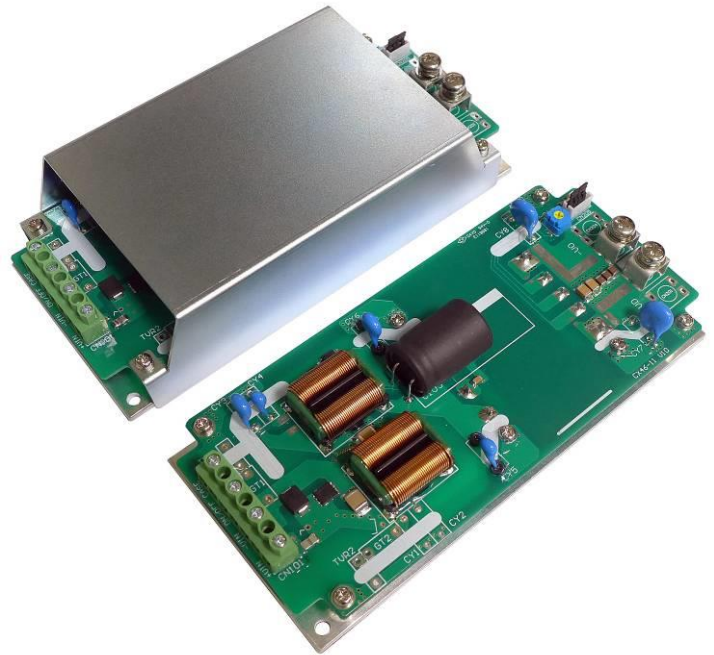


# CHASSIS MOUNT CHB300-300S SERIES 300 WATT 2:1 INPUT DC-DC CONVERTERS



## FEATURES

- \* 300W Isolated Output
- \* Efficiency to 90%
- \* Low No Load Power Consumption
- \* Fixed Switching Frequency
- \* Regulated Outputs
- \* Over Temperature Protection
- \* Over Voltage/Current Protection
- \* Remote On/Off
- \* Continuous Short Circuit Protection
- \* Shock & Vibration Meet EN61373
- \* Safety Meets IEC60950 and IEC62368
- \* UL60950-1 2<sup>nd</sup> (Reinforced Insulation) Approval for DC Modules
- \* Build-In EMI Filter
- \* Fire & Smoke Meet EN45545-2
- \* Baseplate cooled



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CHB300-300S05□-CMFC CHB300-300S05□-CMFD	180-425 VDC	5 VDC	0 mA	60.0A	10 mA	1130 mA	88.5	10000uF
CHB300-300S12□-CMFC CHB300-300S12□-CMFD	180-425 VDC	12 VDC	0 mA	25.0A	10 mA	1140 mA	87.5	10000uF
CHB300-300S24□-CMFC CHB300-300S24□-CMFD	180-425 VDC	24 VDC	0 mA	12.5A	10 mA	1110 mA	90	6000uF
CHB300-300S28□-CMFC CHB300-300S28□-CMFD	180-425 VDC	28 VDC	0 mA	10.7A	10 mA	1110 mA	90	6000uF
CHB300-300S48□-CMFC CHB300-300S48□-CMFD	180-425 VDC	48 VDC	0 mA	6.25A	10 mA	1110 mA	90	3000uF

### NOTE:

1. Nominal Input Voltage 300VDC
2. □ = N or None
3. VR1 is used for Output Voltage Adjustment.
4. Refer to application note for thermal resistance and derating informations.
5. TVS is included for input surge voltage protection.
6. Recommend an external fuse for input reverse polarity protection (shunt diode is included inside).

