

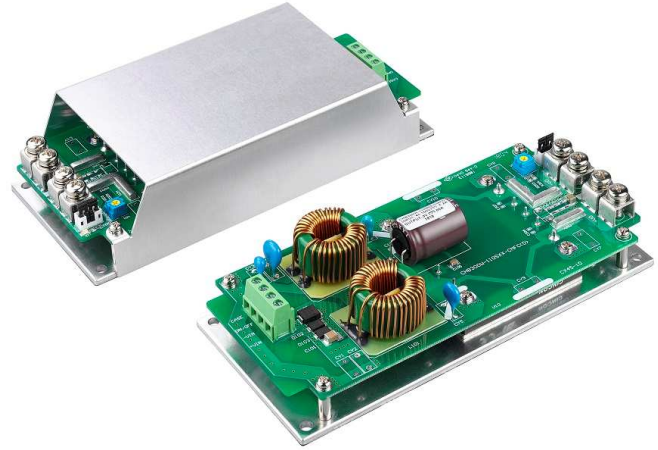


# CHASSIS MOUNT CHB300W-110S SERIES 300 WATT 4:1 INPUT DC-DC CONVERTERS



## FEATURES

- \* 300W Isolated Output
- \* Efficiency to 90.5%
- \* Low No Load Power Consumption
- \* Fixed Switching Frequency
- \* 4:1 Input Range
- \* Regulated Outputs
- \* Over Temperature Protection
- \* Over Voltage/Current Protection
- \* Remote On/Off
- \* Continuous Short Circuit Protection
- \* Shock & Vibration Meet EN50155 (EN61373)
- \* Safety Meets UL60950-1, EN60950-1, and IEC60950-1
- \* UL60950-1 2<sup>nd</sup> (Basic Insulation) Approval for DC Modules
- \* Meets EN50155:2007 for EMC, Environmental and Characteristic
- \* 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		
CHB300W-110S05□-CMFC CHB300W-110S05□-CMFD	43-160 VDC	5 VDC	0 mA	60.0A	15 mA	3153 mA	86.5	60000uF
CHB300W-110S12□-CMFC CHB300W-110S12□-CMFD	43-160 VDC	12 VDC	0 mA	25.0A	15 mA	3047 mA	89.5	25000uF
CHB300W-110S24□-CMFC CHB300W-110S24□-CMFD	43-160 VDC	24 VDC	0 mA	12.5A	15 mA	3064 mA	89	12500uF
CHB300W-110S28□-CMFC CHB300W-110S28□-CMFD	43-160 VDC	28 VDC	0 mA	10.7A	15 mA	3060 mA	89	10700uF
CHB300W-110S48□-CMFC CHB300W-110S48□-CMFD	43-160 VDC	48 VDC	0 mA	6.25A	15 mA	3013 mA	90.5	4700uF

### NOTE:

1. Nominal Input Voltage 110VDC
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 include inside).

