



## FEATURES

- \* 198-300W Isolated Output
- \* Efficiency to 91%
- \* Low No Load Power Consumption
- \* Fixed Switching Frequency
- \* 4:1 Input Range
- \* Regulated Outputs
- \* Input Under-Voltage Protection
- \* Over Temperature Protection
- \* Over Voltage/Current Protection
- \* Remote On/Off
- \* Half-Brick Size Meet Industrial Standard
- \* UL60950-1 2<sup>nd</sup> (Basic Insulation) Approval (Except 3.3Vout)
- \* CB Test Certificate IEC60950-1 (Except 3.3Vout)
- \* Meet EN50155 With External Circuits
- \* Shock & Vibration Meet EN50155 (EN61373)
- \* Fire & Smoke Meet EN45545-2
- \* 5000m Operating Altitude

# CHB300W-110S SERIES

## 198-300 WATT 4:1 INPUT

## DC-DC CONVERTERS



| MODEL NUMBER    | INPUT VOLTAGE | OUTPUT VOLTAGE | OUTPUT CURRENT |        | INPUT CURRENT |           | % EFF. (2) | CAPACITOR LOAD MAX. |
|-----------------|---------------|----------------|----------------|--------|---------------|-----------|------------|---------------------|
|                 |               |                | MIN.           | MAX.   | NO LOAD       | FULL LOAD |            |                     |
| CHB300W-110S3V3 | 43-160 VDC    | 3.3VDC         | 0 mA           | 60 A   | 10 mA         | 2093 mA   | 86         | 60000uF             |
| CHB300W-110S05  | 43-160 VDC    | 5 VDC          | 0 mA           | 60 A   | 10 mA         | 3099 mA   | 88         | 60000uF             |
| CHB300W-110S12  | 43-160 VDC    | 12 VDC         | 0 mA           | 25 A   | 10 mA         | 3030 mA   | 90         | 25000uF             |
| CHB300W-110S24  | 43-160 VDC    | 24 VDC         | 0 mA           | 12.5 A | 10 mA         | 3064 mA   | 89         | 12500uF             |
| CHB300W-110S28  | 43-160 VDC    | 28 VDC         | 0 mA           | 10.7 A | 10 mA         | 3064 mA   | 89         | 10700uF             |
| CHB300W-110S48  | 43-160 VDC    | 48 VDC         | 0 mA           | 6.25 A | 10 mA         | 2997 mA   | 91         | 4700uF              |

### NOTE:

1. Nominal Input Voltage 110 VDC.
2. Measure at Nominal Input Voltage.

