



electronicpowersolutions

# CQB100W-110S SERIES

## 100 WATT 4:1 INPUT

## DC-DC CONVERTERS

## SINGLE OUTPUT



### FEATURES

- \* 100W Isolated Output
- \* Efficiency up to 92%
- \* Fixed Switching Frequency
- \* 4:1 Input Range
- \* Regulated Outputs
- \* Remote On/Off
- \* Low No Load Power Consumption
- \* Over Temperature Protection
- \* Over Voltage/Current Protection
- \* Continuous Short Circuit Protection
- \* Quarter Brick Size Meet Industrial Standard
- \* UL60950-1 2<sup>nd</sup> (Basic Insulation) Approval(Except 15Vout)
- \* CB Test Certificate IEC60950-1 (Except 15Vout)
- \* Meets EN50155 with External Circuits
- \* Shock & Vibration Meets EN50155 (EN61373)
- \* Fire & Smoke Meets EN45545-2
- \* 3000m Operating Altitude
- \* Safety Meets IEC/EN/UL 62368-1



MODEL NUMBER	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITIVE LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CQB100W-110S05	43-160 VDC	5.0 VDC	0 mA	20 A	10 mA	1.00A	91	20000 $\mu$ F
CQB100W-110S12	43-160 VDC	12 VDC	0 mA	8.4 A	10 mA	1.00A	92	8400 $\mu$ F
CQB100W-110S15	43-160 VDC	15 VDC	0 mA	6.7 A	10 mA	1.00A	91	6700 $\mu$ F
CQB100W-110S24	43-160 VDC	24 VDC	0 mA	4.2 A	10 mA	1.03A	89	4200 $\mu$ F
CQB100W-110S28	43-160 VDC	28 VDC	0 mA	3.6 A	10 mA	1.04A	88.5	3600 $\mu$ F
CQB100W-110S48	43-160 VDC	48 VDC	0 mA	2.1 A	10 mA	1.02A	90	1000 $\mu$ F

#### NOTE:

1. Nominal Input Voltage 110VDC
2. An External Input Capacitor 220 $\mu$ F for all Models are Recommended to Reduce Input Ripple Voltage.

