



CHASSIS MOUNT

CQB50W12-72S SERIES

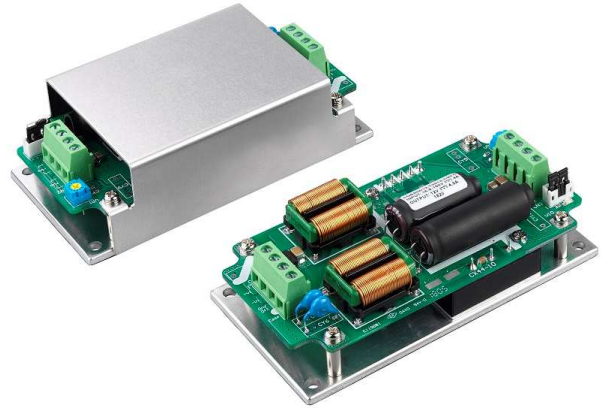
30-50 WATT 12:1 INPUT

DC-DC CONVERTERS



FEATURES

- * 30-50W Isolated Output
- * Efficiency to 89%
- * Fixed Switching Frequency
- * 12:1 Input Range
- * Regulated Outputs
- * Remote On/Off
- * Low No Load Power Consumption
- * Over Temperature Protection
- * Over Voltage/Current Protection
- * Continuous Short Circuit Protection
- * Shock & Vibration Meets EN50155 (EN61373)
- * Safety Meets UL60950-1, EN60950-1 and IEC60950-1
- * UL60950-1 2nd (Basic Insulation) Approval for DC Modules
- * EN50155:2007 for EMC, Environmental and Characteristic
- * Build-In EMI Filter
- * Baseplate Cooled
- * Fire & Smoke Meets EN45545-2



MODEL NUMBER	INPUT VOLTAGE(7)	OUTPUT VOLTAGE	OUTPUT CURRENT		INPUT CURRENT		% EFF.	CAPACITOR LOAD MAX.
			MIN.	MAX.	NO LOAD	FULL LOAD		
CQB50W12-72S05□-CMFC CQB50W12-72S05□-CMFD	14-160 VDC	5 VDC	0 mA	6.0 A	8 mA	530 mA	83	10000μF
CQB50W12-72S12□-CMFC CQB50W12-72S12□-CMFD	14-160 VDC	12 VDC	0 mA	4.2 A	8 mA	810 mA	87	6800μF
CQB50W12-72S24□-CMFC CQB50W12-72S24□-CMFD	14-160 VDC	24 VDC	0 mA	2.1 A	8 mA	800 mA	89	3300μF
CQB50W12-72S48□-CMFC CQB50W12-72S48□-CMFD	14-160 VDC	48 VDC	0 mA	1.05 A	12 mA	810 mA	88	680μF

NOTE:

1. Nominal Input Voltage 72VDC
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).
7. Input Voltage Range: 14-16.8 VDC (t ≤ 60 sec.)

