

EBQ SERIES

INDUSTRY STANDARD QUARTER BRICK

FEATURES

- High Efficiency - 86% @ 3.3V @ 10A (typical)
- Overcurrent Protection
- Remote Sense
- Remote On/Off (primary referenced, negative or positive logic)
- Output Voltage Adjustment (trim)
- Water Washable
- Heatsink Mountable
- Fixed Frequency
- UL/CUL 1950 and EN60950 pending
- CE mark, LVD, (48Vin only) pending

THE EBQ SERIES FROM WALL INDUSTRIES

The EBQ Series of DC/DC Converters is a single output, highly efficient, high reliability and low cost design, to meet the needs of today's power requirements. The EBQ Series perform exceptionally well in Telecom, Networking and Industrial Applications.



SPECIFICATIONS: BQ SERIES

INPUT SPECIFICATIONS

Input Voltage Range.....36-75VDC
 Nominal Input.....48VDC
 Remote On/Off.....ref. -Vin (see note 1)

OUTPUT SPECIFICATIONS

Output Current.....See table
 Voltage Tolerance.....±2%
 Line Regulation(LL-HL).....±0.1%
 Load Regulation.....±0.1%
 Short Circuit Protection Inception.....125%
 Ripple/Noise.....200mV pk-pk, 20MHz BW
 External Trim Voltage Range.....±10%
 Short CircuitContinuous and Auto Recovery
 Switching Frequency.....400kHz (typ)

GENERAL SPECIFICATIONS

Efficiency.....Model Specific, Consult Factory
 Isolation Voltage, input to output.....1500VDC min.
 Isolation Resistance.....100MOhms
 Minimum Load.....Varies by model, consult factory

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....-40°C to +100°C Case
 Storage Temperature.....-55°C to +125°C
 Temperature Coefficient.....0.02%/°C

PHYSICAL SPECIFICATIONS

Package size.....2.28" X 1.45" X 0.50"

All specifications apply at +25°C ambient unless otherwise noted.

Input Voltage	Output Voltage	Output Current (Amps)	Model Number	Ripple/Noise pk-pk (mV)
36-75	1.8	10A	EBQ48S1.8-18ART	200
	1.8	15A	EBQ48S1.8-27ART	200
	2	10A	EBQ48S2-20ART	200
	2	15A	EBQ48S2-30ART	200
	2.5	10A	EBQ48S2.5-25ART	200
	2.5	15A	EBQ48S2.5-38ART	200
	3.3	10A	EBQ48S3.3-33ART	200
	3.3	15A	EBQ48S3.3-50ART	200

note: 1) "A" suffix is for open construction

NOTES:

1) For positive logic, Remote ON/OFF, remove "R" suffix

2) Standard lead length .125"

3) For other input voltages, please contact the factory at 1 (888) 597-WALL.

4) Suffix "T" is TYCO® compatible trim resistor values.

