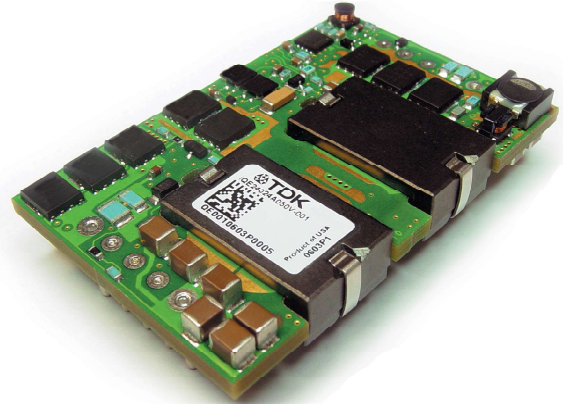


## 132-204W Quarter Brick Converter

### Features

- ◆ Standard Quarter Brick Footprint
- ◆ 18-60V, 36-75VDC Inputs
- ◆ 5V 30A - 15V 10A Nominal Outputs
- ◆ Through Hole Mounting
- ◆ Low 10.41mm Profile
- ◆ 1500VDC Basic Isolation
- ◆ High operating efficiency (>90%)
- ◆ Constant switching frequency
- ◆ Low component count



### Key Market Segments & Applications



Specifications		iQE		
Model		5	12	15
Nominal Output Voltage	VDC	5	12	15
Input Voltage Range	VDC	See Model Selector		
Input Current (max)	A	10		
Efficiency	-	Typically 90% at full load		
Output Voltage Tolerance	VDC	4.85 - 5.15	11.58 - 12.42	14.48 - 15.52
Ripple & Noise (max)(pk to pk) (1)	mV	150	150	150
Line Regulation (max)	mV	15	30	30
Load Regulation (max)	mV	30	30	30
Overload Protection (typ)	%	Inception- 133-158% of rated output; Short circuit - auto recovery		
Overvoltage Protection	VDC	5.7 - 6.7	13.6 - 16.5	16.7 - 21
Remote Sense	-	Yes		
Remote On / Off	-	Positive or Negative Logic available, see Model Selector		
Temperature (operating)	°C	-40 to 125		
Temperature (storage)	°C	-55 to 125		
Humidity (operating)	-	20-95% RH Non condensing		
Humidity (storage)	-	10-95% RH Non condensing		
Cooling	-	Convection or forced air		
Isolation Voltage	VDC	1500		
Vibration (non operating)	-	5 to 50Hz @ 0.5g (4.9m/s <sup>2</sup> ), and 50 to 500Hz @ 1.5g (14.7m/s <sup>2</sup> ) per Bellcore TR-EOP-000063-5.4.4		
Shock	-	196.1m/s <sup>2</sup>		
Safety Agency Approvals	-	UL60950 (US and Canada), VDE0805 (IEC60950), CB scheme (IEC60950)		
Weight (max)	g	50		
Size	mm	57.9 x 36.8 x 10.41		
Warranty	-	3 Years		

Notes: See website for detailed specifications

- (1) Measured across one 22 $\mu$ F and one 0.1 $\mu$ F ceramic capacitor;  
BW = 20MHz

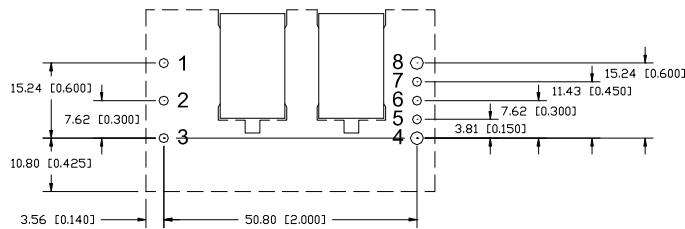
## Model Selector

Model	Input Voltage (V)	Output Voltage (V)	Adjust Range (V)	Max. Curr. (A)	Max. Output Power (W)	On/Off Polarity	Pin Length
iQE48030A050V-000-R	36 - 75	5	4.5 - 5.5	30	150	Pos	0.145
iQE48030A050V-001-R	36 - 75	5	4.5 - 5.5	30	150	Neg	0.145
iQE4W011A120V-001-R	18 - 60	12	10.8 - 13.2	11	132	Neg	0.145
iQE48017A120V-000-R	36 - 75	12	10.8 - 13.2	17	204	Pos	0.145
iQE48017A120V-001-R	36 - 75	12	10.8 - 13.2	17	204	Neg	0.145
iQE48017A120V-007-R	36 - 75	12	10.8 - 13.2	17	204	Neg	0.180
iQE48010A150V-001-R	36 - 75	15	13.5 - 16.5	10	150	Neg	0.145
iQE48010A150V-007-R	36 - 75	15	13.5 - 16.5	10	150	Neg	0.180

### Preferred Model

Other models available for volume opportunities. Contact factory.

## Recommended Footprint (Top View)



## Pinout

PIN	Function
1	Vin (+)
2	On / Off
3	Vin (-)
4	Vout (-)
5	Sense (-)
6	Trim
7	Sense (+)
8	Vout (+)

For Additional Information, please visit [us.tdk-lambda.com/lp/products/iqe-series.htm](http://us.tdk-lambda.com/lp/products/iqe-series.htm)

