

E48SP Series

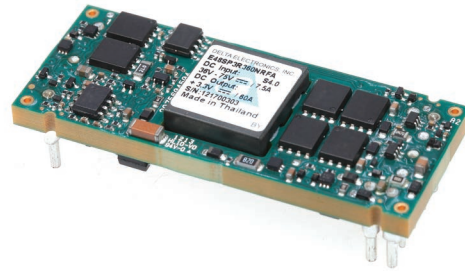
FEATURES

Electrical

- Efficiency up to 94.5%
- OTP, Input UVLO, Output OCP, OVP
- Isolation and basic insulation
- Pre-biased startup
- No minimum load required
- Positive or negative remote ON/OFF
- Heat dissipation enhancement pinout (E48SP3R360)

Safety & Certificate

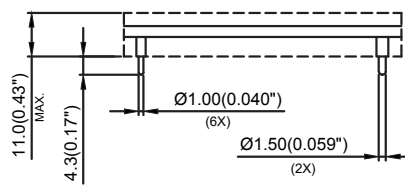
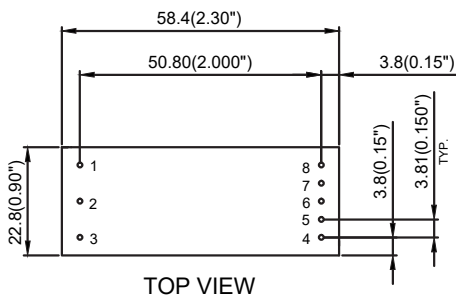
- IEC/EN/UL/CSA 62368-1
- IEC/EN/UL/CSA 60950-1



SPECIFICATIONS

Part Number	Input Voltage	Output Voltage	Vo trim range	Output Current	Output Power	Efficiency	Isolation Voltage	Size (LxWxH) without heat spreader
E48SP3R340	36~75V	3.3V	2.64~3.63V	40A	132W	93.1%	2250V	58.4 x 22.8 x 11 mm
E48SP3R360	36~75V	3.3V	2.64~3.63V	60A	198W	92.3%	2250V	58.4 x 22.8 x 11 mm
E48SP05040	36~75V	5V	4~5.5V	40A	200W	93.5%	1500V	58.4 x 22.8 x 11 mm
E48SP12020	36~75V	12V	-	20A	240W	94.5%	2250V	58.4 x 22.8 x 11 mm

MECHANICAL DRAWING



Pin#	Function	D_pin
1	VIN(+)	Ø1.00
2	ON/OFF	Ø1.00
3	VIN(-)	Ø1.00
4	VOU(-)	Ø1.50
5	SENSE(+)	Ø1.00
6	TRIM	Ø1.00
7	SENSE(+)	Ø1.00
8	VOU(+)	Ø1.50

SIDE VIEW
(without heat spreader)

PART NUMBERING SYSTEM

(E48SP12020 is without sense pin and trim pin)

E	48	S	P	120	20	N	R	F	A
Form Factor	Input Voltage	Number of Outputs	Product Series	Output Voltage	Output Current	ON/OFF Logic	Pin Length Pin Type	RoHS	Option Code
E - 1/8 Brick	48 - 36~75V	S - Single	P - Family Name	3R3 - 3.3V 050 - 5.0V 058 - 5.8V 120 - 12V	20 - 20A 25 - 25A 40 - 40A 60 - 60A	N - Negative P - Positive	K - 0.110" N - 0.145" R - 0.170" M - SMD	F - RoHS 6/6 (Lead Free)	A - Standard Functions H - With heat spreader B* - 36~60V Vin

* only for E48SP12020