HA Eoo 48VDC to 24VDC 4A DC DC Converter

PART 1. INTRODUCTION

DC/DC converter is a voltage converter which can effectively output fixed voltage after converting input voltage. DC/DC converters are divided into three categories: Boost type, boost & buck type, and buck type.

Three kinds of control can be adopted according to the demand. PWM control type has high efficiency and good output voltage ripple and noise. PFM control type has the advantage of low power consumption even if it is used for a long time, especially under small load.

PFM control is implemented when PWM/PFM converts to small load, and it is automatically converted to PWM control when heavy load occurs. At present, DC-DC converters are widely used in mobile phones, MP3, digital cameras, portable media players and other products. It belongs to chopper circuit in the classification of circuit types.

PART2. FEATURES

1	Design meeting RoHS / CE
2	High efficiency: 93%
3	Non-isolated between input and output
4	Internal capacitor: NCC & NICHICON (high reliability)
5	100% full load burn-in test
6	Over load, Over temperature and Over voltage protections
7	Waterproof level IP65
8	12 months warranty

PART 3. MODEL DEFINITION

Eoo-DTDXXSYYZZZ , For example : IPS-

IPS	HA Brand	DTD	DC TO DC
XXX	Max input Voltage	YYY	Max output Voltage
ZZZ	Max output Current		

PART 4. CUSTOMIZED RANGE

Type	Model/Series	Input to output	Output Current (Be option)
DC-DC Boost Converter	Eoo-DTD5~11S12**	5~11v to 12v	1/2/3/4/5/8/10A
	Eoo-DTD12S15**	12V to 15V	1/2/3/4/5/8/10/12/15A
	Eoo-DTD12S19**	12V to 19V	1/2/3/4/5/8/10/12/15/20A
	Eoo-DTD12S24**	12V to 24V	1/2/3/4/5/8/10/12/15/20/25/30/40/50A
	Eoo-DTD12S28**	12V to 28V	3/5/8/10/15/20/30/40A
	Eoo-DTD12S36**	12V to 36V	1/1.5/2/3/5/6/10/20/30/40A
	Eoo-DTD12S48**	12V to 48V	1/1.5/2/3/5/6/8/10/15/20A
	Eoo-DTD12S56**	12V to 56V	3/5/6A
	Eoo-DTD24S36**	24V to 36V	2/3/5/8A
	Eoo-DTD24S48**	24V to 48V	2/3/5/6/10/15/20/30/40A
DC-DC Buck Converter	Eoo-DTD12S5**	12V to 5V	1/2/3A
	Eoo-DTD1224S5**	12/24V to 5V	1/2/3/4/5/6/8/10/15/20/30/40/50/60A

	Eoo-DTD1224S6**	12/24V to 5V	10/15/20/25/40A
	Eoo-DTD24S12**	24V to 12V	1/1.5/2/3/4/5/6/8/10/12/15/18/20/22/25/28/30/40/50/60/85/100A
	Eoo-DTD24S13.8**	24V to 13.8V	5/10/15/20/30/40/50/60A
	Eoo-DTD24S15**	24V to 15V	5/8/10/15/20/25A
	Eoo-DTD24S19**	24V to 19V	5/6/8/10/15/20/25A
	Eoo-DTD36S12**	36V to 12V	5/10/15/20/30/50/60A
	Eoo-DTD48S5**	48V to 5V	5/6/8/10/15/20A
	Eoo-DTD48S12**	48V to 12V	1/2/3/5/6/8/10/15/20/25/30/50/60A
	Eoo-DTD48S13.8**	48V to 13.8V	5/10/15/20/30/50/60A
	Eoo-DTD48S19**	48V to 19V	5/8/10A
	Eoo-DTD48S24**	48V to 24V	1/1.5/2/3/5/6/8/10/15/20/30/40/50A
	Eoo-DTD48S36**	48V to 36V	10A
	Eoo-DTD60S5**	60V to 5V	8/10/15/20A
	Eoo-DTD60S12**	60V to 12V	5/8/10/15A
	Eoo-DTD60S13.8**	60V to 13.8V	15A
	Eoo-DTD60S24**	60V to 24V	3/5/8/10/15A
Boost & Buck Converter	Eoo-DTD8~40S12*	8~40V to 12V	1/2/3/6/10/15/20/25A
	Eoo-DTD8~40S13.8*	8~40V to 13.8V	3/5/10/15/20A
	Eoo-DTD9~36S19*	9~36V to 19V	5/10A
	Eoo-DTD9~40S24*	9~40V to 24V	2/3/4/6/10A
AC to DC Converter	Eoo-ATD12S12	12Vac to 12Vdc	1/2/3/4/5/8/10A
	Eoo-ATD24S12	24Vac to 12Vdc	1/2/3/4/5/8/10A
	Eoo-ATD24S5	24Vac to 5Vdc	1/2/3/4/5/8/10A
	Eoo-ATD24S24	24Vac to 24Vdc	1/1.5/2/5/6A
	Eoo-ATD36S5	36Vac to 5Vdc	1/2/3A
	Eoo-ATD36S12	36Vac to 12Vdc	1/2/3A
	Eoo-ATD36S24	36Vac to 24Vdc	1/2A

Part 5: TECHNICAL PARAMETER

Brand	HA
Type	NON-Isolated
Model	Eoo-DTD48S303
DC voltage INPUT	
Voltage rate	48VDC
Voltage range	35~58VDC
DC voltage & Current output	
Voltage rate	24VDC
Current	4AMPS
Rate Power	98Watts
Size	58*40*22(MM)
NW	90G
Others	
Customize	Allow
Material of shell	Plastic

Working temp	-20~80℃
Efficiency	93%
Waterproof Level	IP65
Protection function	Input instant over-voltage Output over current Chip over-heat protection

Part 5 : Reference Pictures

	
	