



Trisan Australia Pty Ltd
Integrated Power Technologies
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PRODUCT: TRI 300 DDC CONVERTER

Application Examples:
Battery Charger Application

Line No.	Code	Product Options	Ext. Part No.
1 (e)	D	Switch Board Mount OR Din Rail Mount	SB or DR H or V
2 (e)	E	Horizontal OR Vertical.	
3	F	Options:-	TS TD B P
4	G	Temperature Compensation: -4mV/°C/cell	
5	H	Time delayed (5 minutes) Low Voltage, commoned with DDC Alarm	
6	I	Boost Voltage on 10% of Low Voltage. For Wet or Calcium battery. Parallel Capability. Full Load (delta 0,5 Volts)	

7		Electrical Safety: AS/NZ60335	CONDITION	LIMITS
8		Electrical Safety: Earth Continuity	25 Amps for 2 Secs 3750 vRms/2S 500 VDC	<0,1 Ohm No Flashover >1 Megohm
9		Electrical Safety: Electrical Strength		
10		Electrical Safety: Insulation Resistance		

Line No.	Code	OUTPUT		RANGE		RANGE		RANGE		RANGE
11	B	VDC	12	10 - 18	24	20 - 35	48	40 - 70	110	100 - 140
12	C	AMPS	20	0 - 20	12	0 - 12	6	0 - 6	2.7	0 - 2.7

Line No.	Code	INPUT		RANGE		RANGE		RANGE		RANGE
13	A	VDC	12	10 - 18	24	20 - 35	48	40 - 70	110	100 - 140

Line No.	Code	PARAMETERS	CONDITION	RANGE
16		Tolerance: All values on specification are subject to 1.5% variation	92% <1 mA 50°C > 80mm 32 Amps max. YES <0,05% 300 Watts Continuous at rated current 3750 VAC rms Screw Terminals (Phoenix type) Screw Terminals (Phoenix type)	32A /pin max. 32A /pin max.
17		Efficiency		
18		DC Battery Draw No Load		
19 (e)		Temperature Rated Continuous (Convection Airflow)		
20		Clearance top and bottom >50°C forced air cooling required.		
21		Input Current		
22 (e)		Input Transient Protected - limited		
23		Output Voltage Regulation: Over full input voltage range		
24		Output Power		
25		Overload Protection		
26 (e)		Input/Output Isolation		
27 (e)		Output Connection		
28		Input Connection		

29		Commoned Alarms: Voltage Free Contacts (Normally Open, Normally Closed and Common)	DDC Fail	
30		Weight	2 Kg	
31		Chassis	Alodine or Powder Coated	
32		Dimensions:	For Switch Board Mount Add 40mm to width to Include Side Plates	
		Switch Board Mount		
		Width: 230mm		
		Depth: 104mm		
		Height: 120mm		
		Din Rail Mount		
		Width: 250mm		
		Depth: 104mm		
		Height: 110mm		

		PRODUCT	A (*)	B (*)	C (*)	D	E	F	G	H	I
33	Part No.	TRI 300 DDC									
34	EG.	TRI 300 DDC	12	15	20A	SB	H				

For quoting please complete the part number box as indicated above.

For factory setting, indicate output voltage and current. Please leave boxes blank if options not required.

Manufacturer's Disclaimer: The Manufacturer reserves the right to change product specification without notice.

WARRANTY: 2 years: Void if product not working within the environment specification. (e)