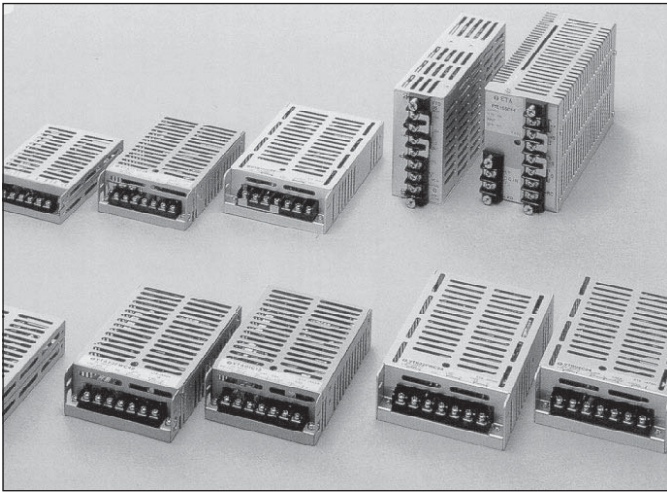


VT SERIES

DC/DC Single & Multi Output: 15 - 150 Watts



Features

- Wide range of DC input options
- 12V, 24V, 48V and 110 VDC
- Filtered to meet EN55022 EMI
- Fully isolated input - output
- Vented case with screw terminal connections
- Overload protection
- Overvoltage protection
- MTBF 100,000 hours
- Inrush current limiting
- Convection cooled - no fans
- Suitable for a wide range of industrial and telecom applications
- N+1 redundancy options
- Single, dual and triple output models

Specifications

INPUT :	12 VDC (9.2~16V) 24 VDC (19~32V) 48 VDC (38~63V) 110VDC (85~140V)
INRUSH CURRENT:	Model dependent, typically 20A
EFFICIENCY:	Model dependent 70-89%
ISOLATION:	12V, 24V, 48V input: Input - output/case 1500 VAC 110 input: Input - output/case 2000 AC Output - case: 500 AC
OUTPUT VOLTAGE:	5~48V models, refer to table
POWER:	15~150 watts
VOLTAGE ADJUSTMENT:	Single output models: $\pm 10\%$ Multi output models: $\pm 5\%$ on V1
LINE REGULATION:	$\pm 0.8\%$ over input range
LOAD REGULATION:	$\pm 1.0\%$ over 0~100% load
REMOTE SENSE:	VTE models only
REMOTE CONTROL:	VTE models only: output normal open. Shutdown by short to ground.
PARALLEL OPERATION:	Possible on some models, consult office
HOLD UP TIME:	Model dependent 6-8ms
RIPPLE & NOISE:	Typically 1% pk - pk of nominal V out DC - 100 MHz
TEMP. CO-EFFICIENT:	0.03% per °C over 0° to 50°C
OVERLOAD PROTECTION:	Fold back - VTM Current limiting - VTA - VTE models (adjustable on VTE)
OVP:	OVP clamp on VTM Output shutdown VTA - VTE models Input must be switched off for minimum 30 sec to reactivate
OPERATING. TEMP:	0° to 50°C at rated power. Derate 2.5% per °C from 50° to 60°C
HUMIDITY:	85% RH
VIBRATION & SHOCK:	Shock 30G. Vibration 5~10Hz 10mm 2G
COOLING:	Convection cooled
CONNECTIONS:	Screw terminal block
DIMENSIONS & WEIGHT:	VTM: 118 x 80 x 25mm 250g VTA: 135 x 85 x 31mm 350g VTB: 160 x 96 x 33mm 410g VTD: 206 x 97 x 48mm 800g VTE: 217 x 97 x 70mm 1400g

VT SERIES DC/DC Single & Multi Output: 15 - 150 Watts

Input V	Output/Model					Power W
Single Output						
12V 24V 48V 110V	5V 3A VTM - 05SC12 VTM - 05SC24 VTM - 05SC48 VTM - 05SD	12V 1.2A VTM - 12SC12 VTM - 12SC24 VTM - 12SC48 VTM - 12SD	15V 1A VTM - 15SC12 VTM - 15SC24 VTM - 15SC48 VTM - 15SD	24V 0.62A VTM - 24SC12 VTM - 24SC24 VTM - 24SC48 VTM - 24SD		15W 15W 15W 15W
12V 24V 48V 110V	5V 5A VTA - 05SC12 VTA - 05SC24 VTA - 05SC48 VTA - 05SD	12V 2.1A VTA - 12SC12 VTA - 12SC24 VTA - 12SC48 VTA - 12SD	15V 1.7A VTA - 15SC12 VTA - 15SC24 VTA - 15SC48 VTA - 15SD	24V 1.1A VTA - 24SC12 VTA - 24SC24 VTA - 24SC48 VTA - 24SD	48V 0.5A VTA - 48SC12 VTA - 48SC24 VTA - 48SC48 VTA - 48SD	25W 25W 25W 25W
12V 24V 48V 110V	5V 10A (8A) (VTB - 05SC12) VTB - 05SC24 VTB - 05SC48 VTB - 05SD	12V 4.4A (3.3A) (VTB - 12SC12) VTB - 12SC24 VTB - 12SC48 VTB - 12SD	15V 3.4A (2.7A) (VTB - 15SC12) VTB - 15SC24 VTB - 15SC48 VTB - 15SD	24V 2.5A (1.7A) (VTB - 24SC12) VTB - 24SC24 VTB - 24SC48 VTB - 24SD	48V 1A (0.8A) (VTB - 48SC12) VTB - 48SC24 VTB - 48SC48 VTB - 48SD	50W 50W 50W 50W
12V	5V 18A VTD - 05SC12	12V 9A VTD - 12SC12	15V 7A VTD - 15SC12	24V 4.5A VTD - 24SC12	48V 2A VTD - 48SC12	100W
24V 48V 110V	5V 20A VTD - 05SC24 VTD - 05SC48 VTD - 05SD	12V 9A VTD - 12SC24 VTD - 12SC48 VTD - 12SD	15V 7A VTD - 15SC24 VTD - 15SC48 VTD - 15SD	24V 5A VTD - 24SC24 VTD - 24SC48 VTD - 24SD	48V 2A VTD - 48SC24 VTD - 48SC48 VTD - 48SD	100W 100W 100W
12V	5V 27A VTE - 05SC12	12V 13A VTE - 12SC12	15V 10A VTE - 15SC12	24V 6.5A VTE - 24SC12	48V 3.3A VTE - 48SC12	150W
24V 48V 110V	5V 30A VTE - 05SC24 VTE - 05SC48 VTE - 05SD	12V 14A VTE - 12SC24 VTE - 12SC48 VTE - 12SD	15V 11A VTE - 15SC24 VTE - 15SC48 VTE - 15SD	24V 7A VTE - 24SC24 VTE - 24SC48 VTE - 24SD	48V 3.5A(4.2A) VTE - 48SC24 VTE - 48SC48 VTE - 48SD	150W 150W 150W
Multi Output 2 Channel						
12V 24V 48V 110V	+12V 0.75A / -12V 0.5A VTM22WC12 VTM22WC24 VTM22WC48 VTM22WD	+15V 0.5A / -15V 0.5A VTM23WC12 VTM23WC24 VTM23WC48 VTM23WD	+12V 0.8A / -5V 0.8A VTM24WC12 VTM24WC24 VTM24WC48 VTM24WD			15W 15W 15W 15W
12V 24V 48V 110V	5V 2.8A / 24V 0.45A VTA21FWC12 VTA21FWC24 VTA21FWC48 VTA21FWD	24V 0.9A (0.83A) / 5V 1A (VTA21FWC12B) VTA21FWC24B VTA21FWC48B VTA21FWDB	12V 1.2A / 12V 0.9A VTA22FWC12 VTA22FWC24 VTA22FWC48 VTA22FWD	15V 1A / 15V 0.7A VTA23FWC12 VTA23FWC24 VTA23FWC48 VTA23FWD		25W 25W 25W 25W
12V 24V 48V 110V	5V 2.8A / 12V 0.9A VTA24FWC12 VTA24FWC24 VTA24FWC48 VTA24FWD	12V 1.6A / 5V 1.2A VTA24FWC12B VTA24FWC24B VTA24FWC48B VTA24FWDB				25W 25W 25W 25W
12V	5V 5A / 24V 0.75A VTB21FWC12	24V 1.5A / 5V 1.4A VTB21FWC12B	12V 2A / 12V 1.5A VTB22FWC12	12V 3A / 12V - 0.6A VTB22FWC12B		45W
12V	15V 1.5A / 15V 1.3A VTB23FWC12	5V 5A / 12V 1.5A VTB24FWC12	12V 3A / 5V 1.4A VTB24FWC12B			45W
24V 48V 110V	5V 5A / 24V 0.85A VTB21FWC24 VTB21FWC48 VTB21FWD	24V 1.5A / 5V 1.5A VTB21FWC24B VTB21FWC48B VTB21FWDB	12V 2A / 12V 1.7A VTB22FWC24 VTB22FWC48 VTB22FWD	12V 3A / 12V 0.8A VTB22FWC24B VTB22FWC48B VTB22FWDB		45W 45W 45W
24V 48V 110V	15V 1.7A / 15V 1.3A VTB23FWC24 VTB23FWC48 VTB23FWD	5V 5A / 12V 1.7A VTB24FWC24 VTB24FWC48 VTB24FWD	12V 3A / 5V 1.5A VTB24FWC24B VTB24FWC48B VTB24FWDB			45W 45W 45W
Multi Output 3 Channel						
12V 24V 48V 110V	5V 1.8A +12V 0.15A -12V 0.15A VTM01C12 VTM01C24 VTM01C48 VTM01D	5V 1.8A +12V 0.15A -5V 0.15A VTM03C12 VTM03C24 VTM03C48 VTM03D	5V 1.8A -15V 0.12A -15V 0.12A VTM04C12 VTM04C24 VTM04C48 VTM04D			12.5W 12.5W 12.5W 12.5W
12V 24V 48V 110V	5V 2.8A +12V 0.5A -12V 0.4A VTA01C12 VTA01C24 VTA01C48 VTA01D	12V 1.5A +5V 0.7A -12V 0.25A VTA01C12B VTA01C24B VTA01C48B VTA01DB	5V 2.8A +12V 0.5A -5V 0.5A VTA03C12 VTA03C24 VTA03C48 VTA03D	5V 2.8A +15V 0.36A -15V 0.36A VTA04C12 VTA04C24 VTA04C48 VTA04D		25W 25W 25W 25W
12V	5V 5A +12V 0.73A -12V 0.73A VTB01C12	12V 2.7A +5V 1A -12V 0.3A VTB01C12B	5V 5A +12V 0.73A -5V 0.73A VTB03C12	5V 5A +15V 0.6A -15V 0.6A VTB04C12		45W
24V 48V 110V	5V 5A +12V 0.83A -12V 0.83A VTB01C24 VTB01C48 VTB01D	12V 3A +5V 1A -12V 0.4A VTB01C24B VTB01C48B VTB01DB	5V 5A +12V 0.83A -5V 0.83A VTB03C24 VTB03C48 VTB03D	5V 5A +15V 0.65A -15V 0.65A VTB04C24 VTB04C48 VTB04D		45W 45W 45W