

VTC24/VTC28

Industrial ATX Power Supply



SPECIFICATIONS



◆ Input Table :

Model	Input Range	Input Current
VTC24/VTC28	90 ~ 130V AC or 180 ~ 260V AC, 47 ~ 63Hz (Auto-Switch)	
VTC25	+18 ~ +32V DC	5A@24V DC
VTC27	-40 ~ -72V DC	10A@-48V DC
VTC5442	+9~+16V DC	50A@+12V DC

◆ Output Table : (at 40°C)

Model	Rated Load						Max Output					
	+5V	+12V	-12V	-5V	+3.3V	+5Vsb	+5V	+12V	-12V	-5V	+3.3V	+5Vsb
VTC28	30A	6A	0.5A	0.5A	10A	1A	35A	10A	1A	1A	20A	1.5A
VTC24	25A	10A	0.5A	0.5A	8A	0.72A	30A	15A	2A	1A	15A	1.2A
VTC25	25A	7A	1A	0.5A	8A	0.72A	30A	15A	2A	1A	15A	1.2A
VTC27	25A	7A	1A	0.5A	8A	0.72A	30A	15A	2A	1A	15A	1.2A
VTC5442	25A	8A	1A	0.5A	8A	0.72A	30A	8A	1A	1A	22A	0.72A

◆ Ripple and Noise : Less than 50mV@+5V and +3.3V; 100mV@Others

◆ Line Regulation : The line regulation for each outputs are less than 1%

◆ Load Regulation :

Model	+5V	+12V	-12V	-5V	+3.3V	+5Vsb
VTC28	<±1%	<±1%	<±1%	<±1%	<±1%	<±1%
VTC24	<±3%	<±5%	<±2%	<±2%	<±2%	<±3%
VTC25	<±3%	<±5%	<±2%	<±2%	<±2%	<±1%
VTC27	<±3%	<±5%	<±2%	<±2%	<±2%	<±1%
VTC5442	<±5%	<±5%	<±3%	<±3%	<±3%	<±1%

◆ Output Power : Total combined output power on the +3.3V and +5V rails is 150W

◆ Efficiency : Higher than 65%

◆ Hold-up Time (VTC24/28) : 20ms (typical)@115V AC

◆ Altitude : 0~10,000ft

◆ Protection :

- Over voltage protection : The trip point is around 5.7V ~ 7.0V output
- Short circuit protection

◆ Vibration : 10 ~ 55Hz at 2G 3min. period, 30 min. along X, Y and Z axis

◆ Impact : 10G for 20ms once on each X, Y and Z axis

◆ Built-in cooling fan

◆ MTBF :

- VTC24 : 101,379 Hours

- VTC25 : 121,233 Hours

- VTC27 : 112,112 Hours

- VTC5442 : 95,620 Hours

◆ Safety : CSA (VTC28,25/5442)

TUV(VTC25/27) , meets CE

(VTC28,VTC25/27/5442)

◆ EMI :

- Meets FCC class "B", EN55022 class "B"

- Harmonic EN 61000-3-2 for VTC28

◆ EMS Standard (Designed to meet the

following limits) :

- IEC 801-2 8KV (Air Discharge)

- IEC 801-3, 3V/M criteria A

- IEC 801-4, 2KV criteria B

- IEC 801-5, 2KV criteria B

◆ Operating temperature : -20° ~70°C

(Derating curve will occur 40°~70°C)

◆ Storage temperature : -40° ~75°C

ORDERING INFORMATION

● VTC28

AC input PFC 300W industrial ATX power supply

● VTC24

AC input 280W industrial ATX power supply

● VTC25

24V DC input industrial ATX power supply

● VTC27

48V DC input industrial ATX power supply

● VTC5442

12V DC input industrial ATX power supply