

24~66W AC-DC Single Output Desktop



■ Features :

- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit/ Over load/ Over voltage
- Fix switching frequency and regulation
- LED indicator for power on
- Fully enclosed plastic case
- Pass LPS for 16~48V
- Topology: Top switch circuit
- Approvals: UL/ CUL/ TUV/ CB/ CE
- 1 year warranty



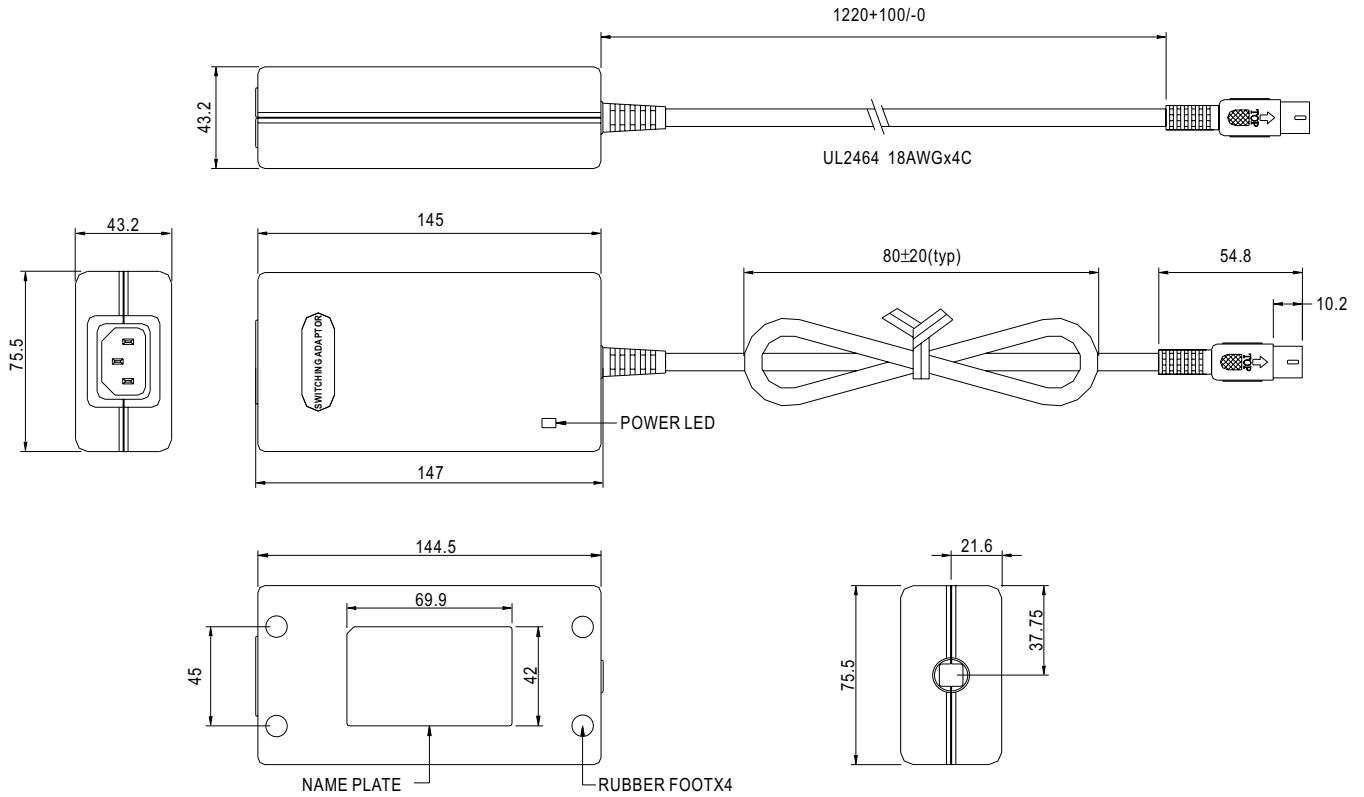
SPECIFICATION

ORDER NO.	VTC1564	VTC1565	VTC1566	VTC7782	VTC7783	VTC7784	VTC7785	VTC7786	VTC7787		
SAFETY MODEL NO.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
DC VOLTAGE Note.2	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V		
RATED CURRENT	7.27A	8.50A	6.40A	5.55A	5.50A	4.40A	3.66A	2.75A	1.37A		
CURRENT RANGE	0 ~ 7.27A	0 ~ 8.50A	0 ~ 6.40A	0 ~ 5.55A	0 ~ 5.50A	0 ~ 4.40A	0 ~ 3.66A	0 ~ 2.75A	0 ~ 1.37A		
RATED POWER	24W	42.5W	48W	50W	66W	66W	66W	66W	66W		
RIPPLE & NOISE (max.) Note.3	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	150mVp-p	150mVp-p		
VOLTAGE ADJ. RANGE	3~5V	5~6V	6~8V	8~11V	11~13V	13~16V	16~21V	21~27V	33~48V		
	Fixed output by internal VR										
VOLTAGE TOLERANCE Note.4	±6.0%	±6.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±2.0%	±2.0%		
LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
LOAD REGULATION Note.6	±5.0%	±5.0%	±4.0%	±4.0%	±4.0%	±2.0%	±2.0%	±1.0%	±1.0%		
SETUP, RISE, HOLD TIME	1s, 50ms, 16ms at full load										
VOLTAGE RANGE	90 ~ 264VAC 135~370VDC										
FREQUENCY RANGE	47~63Hz										
EFFICIENCY (Typ.)	65%	70%	75%	75%	78%	80%	82%	82%	83%		
AC CURRENT	1.5A / 100VAC										
INRUSH CURRENT (max.)	40A / 230VAC										
LEAKAGE CURRENT (max.)	0.75mA / 240VAC										
OVER LOAD	110~160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed										
OVER VOLTAGE	110~140% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover										
OVER TEMPERATURE	IC1Tj135°C Protection type : Shut down o/p voltage, recovers automatically after temperature goes down										
WORKING TEMP.	0~+50°C (Refer to output load derating curve)										
WORKING HUMIDITY	20%~90% RH non-condensing										
STORAGE TEMP., HUMIDITY	-20~+85°C, 10~95% RH										
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)										
VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes										
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 Approved										
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC										
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC										
EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B										
HARMONIC CURRENT	Compliance to EN61000-3-2,-3										
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, ENV50204, Light industry level, criteria A										
MTBF	300khrs min. MIL-HDBK-217F(25°C)										
DIMENSION	147*75.5*43.2mm (L*W*H)										
PACKING	0.55kg ; 36pcs / 21kg / CARTON										
CONNECTOR	PLUG	STANDARD TYPE	3~8V R1B: DIN 5 Pin for stock; Other type available by customer requested								
	CABLE	STANDARD TYPE	8~48V P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested								
			3~8V AWM2464 18Awg*4c with shield 4ft for stock; Other type available by customer requested								
			8~48V 18Awg*2c SPT-1 6ft for stock ; Other type available by customer requested								
NOTE	1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH. Ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4.Tolerance: includes set up tolerance, line regulation, load regulation. 5.Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 0% to 100% rated load. 7.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.										

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Mechanical Specification

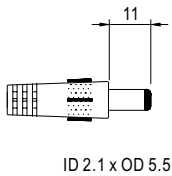
Unit:mm



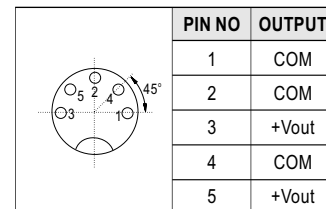
Plug Assignment

Standard plug: 8~48V P2J (option)

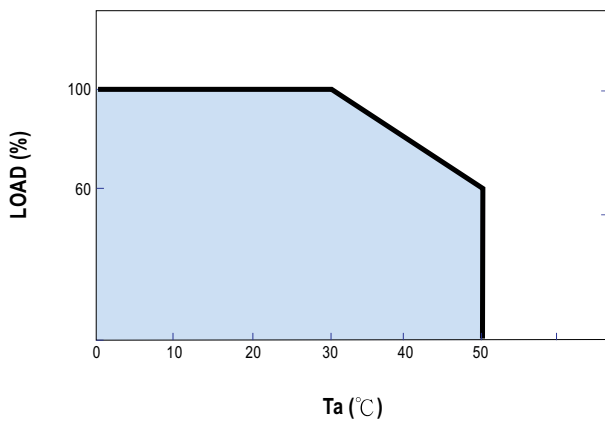
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P2J	
P/N	OUTPUT
CENTER	+



Derating Curve



Static Characteristics

