



1.Product Characteristics:

1.1 General Description

Model **DTS120420UTC-P5P-SZ** is a universal switching-mode power supply, operating at input voltage **90VAC to 264VAC** and output voltage of **12VDC** with **4.2A DC load**

1.2 Electric Characteristics

1.2.1 Input

NO	ITEM	SPECIFICATION
1	Rated input Voltage	AC100V-240V
	Vibration input Voltage Range	AC90V-264V
2	Frequency Rated	50-60Hz
	Frequency Vibration	47-63Hz
3	Input Rated Current	1.2A RMS Max
	Inrush Current	30A Max .at 115vac cool start
		50A Max. at 230vac cool start
4	Leakage current	3.5mA
5	Efficiency	70% Min

1.2.2 Output:

No	ITEM	SPECIFICATION
1	*output Voltage	+12VDC
2	*output max. current	4.2A
3	output min. Current	0A
4	Line regulation	±1%
5	Load regulation	±5%
6	Over voltage protection	15V to 18V (output shut down)
7	Short circuit protection	Output shut down and auto restart
8	Ripple Voltage (L.F.)	120mV(p-p) (100V-240VAC Input)

1.2.3 HI-POT SPECIFICATION

Input to output : 1500VAC OR 2121VDC 10mA 1 minute.

1.2.4 Insulation resistance:

Input to output: 500vdc to test the input to output resistance not be less

100M ohm

1.2.5 Safety approved: UL,CUL,ITS/GS,CE

1.2.6 EMI standard : meet FCC class B , CE ,VCCI – II



1.3 Mechanical Characteristics:

1.3.1 AC Plug : INLET IEC320 3PIN Type.

1.3.2 DC cord:

(1) Bending test: Life 1000 times 100% guarantee. Swings 120 from

Left to right loading weight 500g , 40 cycle/minute.

(2) Pull test : DC cord and plug ,weight 6kg for 1 minute.

1.3.3 Cord length and output plug: See Reference Att.4

1.3.4 Weight : 491 g

1.3.5 Case Size: 108.1X66X36.1mm

1.3.6 Normal operating temperature and humidity

1.3.7 Temperature

Operating: 0°C to 40°C

Storage: -10°C to 70°C

1.3.8 Humidity

Operating: 20% to 80%

Storage: 10% to90%



