



Country of Origin : China
 Operating Temperature : 0~40 [°C]
 Dimension : 115 x 55 x 35 [mm]

Efficiency level (ErP) :



Approvals / Marks :



Features:		
Desk Top power supply, single output.	Wide range Input (90 ~ 264) VAC / (47 ~ 63) Hz	Available in 2 inlet version:
Overload, over voltage & short protection.	Available in T2/T3 version (with C8&C14 inlet)	C8 (T2)  C14(T3) 
For I.T.E. use only	RoHS conform	

Specification:

	Model	Voltage DC [V]	Loading [A]	Line/Road regulation [%]	OVP max [V]	OCP [A]	Efficiency [%]	Max. Power [W]	Ripple & Noise [mV] p-p	Connector [mm] UL approved
ErP V.	SYS1443-5012-T3	12	0~4.17	±5	16	5.2~9.0	>87	50	200	2.1x5.5x11
	SYS1443-5024-T3	24	0~2.08	±5	28	2.6~4.5	-	50	240	(*)
	SYS1443-6512-T3	12	0~5.41	±5	16	6.0~9.0	>87	65	200	2.1x5.5x11
	SYS1443-6512-T3	12	0~5.41	±5	16	6.0~9.0	>87	65	200	2.5x5.5x11
	SYS1443-6515-T3	15	0~4.33	±5	20	5.0~7.0	-	65	200	(*)
	SYS1443-6518-T3	18	0~3.61	±5	23	4.0~5.5	-	65	200	(*)
	SYS1443-6519-T3	19	0~3.42	±5	24	3.8~5.0	-	65	200	(*)
	SYS1443-6520-T3	20	0~3.25	±5	25	3.6~5.0	-	65	200	(*)
	SYS1443-6524-T3	24	0~2.71	±5	28	3.0~4.0	>87	65	240	2.1x5.5x11
SYS1443-6548-T3	48	0~1.35	±5	55	1.5~3.0	>87	65	480	2.1x5.5x11	

(*) – will be provide with the specify model

OEM Production

SYS1443 – certified for output power Pout=(50~65)W rising up by step of 1W & Uout=(12,15,18,19,20,24,48)V

OUTPUT	Turn on delay	5000 ms max @ AC low line input@output full load
	Hold up time	10ms min @ AC nominal input@ output full load (> half cycle)
	Efficiency (Normal)	meets CEC, DOE, ERP, MEPS, K-MEPS LEVEL V @115V/60Hz, 230V/50Hz
	Transient response (dv, tmax)	0.3v dv max At AC nominal input loading from 20% load to 80% load. 16ms tmax Dynamic rise time 10uS max , duty 40mS max , Dynamic load step is slew rate of 0.5A/uS
	Power out. Limit	Peak 70W 60W for 50Wmodel peak 60w for 50w model
	Output LED Burn in test	Yes Full load 2 Hours

INPUT	Voltage	(90 ~ 264)VAC
	Frequency	(47 ~ 63) Hz
	Current	1.5A rms @ AC low line input and DC output full load
	Inrush Surge Current (cold start)	40/60A max @ power supply cold start, ambient temperature 25°C@115Vac / 230Vac nominal AC input.
	Leakage current	0.25 mA Max.
	Power consumption	0.5W(>50W) 0.3W(50W) rms max. At AC nomina input@output min load

PROTECTION	Over Current /Short protection	The power supply will self-protect any output to ground, And auto recovery when abnormal circuit faults remove. An output short circuit is defined as any output impedance of less than 0.1 ohms. OCP method >>Fold back<<
	Over Voltage	The power supply will not be auto recovered when faults remove >>Voltage limit<<
	Input protection	F1:T3.15A/250V Fuse
	No load protection	The power supply is provided with no load operation to prevent the power supply and system from damage.
	Protection class	II.

OTHERS	Dielectric Strength (Hi-pot)	Primary to Secondary: 3000VAC / 10mA / 60s
	M.T.B.F	50K hours full rated load operation at 40 °C , according to the MIL-HDBK-217F.
	Cable length	1185#20*1C / 5ft (1,5m) round cable or depends on customer requirements // model SYS1443-5012-T3 han only 4ft cable.
	PLD (power line disturbance)	LINE POWER SURGE LINE VOLTAGE SAG – more information will be provide on request
	Cooling method	By natural air
	Housing material	PC or PPO
	Temperature coefficient:	< ±0.5% / °C

ENVIRONMENT	Temperature	Operating: (0 ~ 40)°C / Storage: (-20 ~ 85)°C
	Humidity	Operating: 8% ~ 90% RH / Storage: 5% ~ 95% RH non condensing

SAFETY

CE | TUV/GS | CB |UL| cUL | FCC

EMC	EMI	EN 55022 Class B (2006)+ A1(2007) EN 61000-3-2 (2006) + A1(2009) + A2 Class A(2009)/EN 61000-3-3 (2008)
	EMS	EN55024(1998)+A1(2001)+A2(2003) IEC 61000-4-2 (2008) IEC 61000-4-3 (2006) + A1(2007) + A2(2010) IEC 61000-4-4 (2004) + A1(2010) IEC 61000-4-5 (2005) IEC 61000-4-6 (2008) IEC 61000-4-8 (2009) IEC 61000-4-11 (2004)

WEIGHT	1pc	N.W.: 300g / pc
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		0.48(L) x 0.43(W) x 0.25(H) [m]
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PACKING	Box	54 pcs / 1box G.W.: 19kg
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