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SPECIFICATION



Features:

- Universal AC input / Full range
- 2 pole USA plug
- Class Π power (without earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- RCC control circuit and regulated
- LED indicator for power on
- Approvals: UL/ CUL / BSMI / CB / FCC / CE
- 1 year warranty

ODDED NO		EC401102 E4 1	EC40LINE D4	E0401107 B4 1	E0401100 P4 1	E0401140 P4 1	ECAULAE D4 1	E0401140 P4 1	E0401104 D4 1	E0401100 P4 1	E0401140 D4 1	
ORDER NO.			ES18U05-P1J			ES18U12-P1J			ES18U24-P1J			
ОИТРИТ	SAFETY MODEL NO.	ES18U03	ES18U05	ES18U07	ES18U09	ES18U12	ES18U15	ES18U18	ES18U24	ES18U28	ES18U48	
	DC VOLTAGE Note.2	3.3V	5V	7.5V	9V	12V	15V	18V	24V	28V	48V	
	RATED CURRENT	2.72A	3.0A	2.0A	2.0A	1.50A	1.20A	1.0A	0.75A	0.64A	0.375A	
	CURRENT RANGE	0.3 ~ 2.72A	0.3 ~ 3.0A	0.3 ~ 2.0A	0.2 ~2.0A	0.15 ~ 1.50A	0.1 ~ 1.20A	0.1 ~ 1.0A	0.1 ~ 0.75A	0.06 ~ 0.64A	0.05 ~ 0.375A	
	RATED POWER (max.)	9W	15W	15W	18W	18W	18W	18W	18W	18W	18W	
	RIPPLE & NOISE (max.) Note.3	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p	
	VOLTAGE ADJ. RANGE	Fixed										
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±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%	±1.0%	
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	
	SETUP, RISE, HOLD TIME	300ms, 100r	300ms, 100ms, 16ms at full load									
	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC										
INPUT	FREQUENCY RANGE	47 ~ 63Hz										
	EFFICIENCY (Typ.)	55%	70%	72%	72%	74%	77%	78%	80%	81%	82%	
	AC CURRENT	0.5A / 100VA	AC .									
	INRUSH CURRENT (max.)	20A / 115VAC										
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC										
PROTECTION		110 ~ 200% rated output power 130 ~ 350% rated output power										
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed										
		105 ~ 135% rated output voltage										
	OVER VOLTAGE	Protection type : Clamp by zener diode, output short										
ENVIRONMENT	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 & EMC (Note. 7)	SAFETY STANDARDS	UL60950-1, CSA C22.2, BSMI, CNS14336 Approved										
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC										
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH										
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, CNS13438 class B, FCC PART 15 / CISPR22 class B										
	HARMONIC CURRENT	Compliance to EN61000-3-2,3										
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, Light industry level, criteria A										
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25°ℂ)										
	DIMENSION	79*54*33mn	79*54*33mm (L*W*H)									
	PACKING	220g; 60pcs / 13.5kg / CARTON										
CONNECTOR	PLUG	Standard type P1J: 2.1ϕ * 5.5ϕ * 11mm, tuning fork type, center positive for stock; Other type available by customer requested										
	CABLE	Standard typ	Standard type UL1185 6ft (with ferrite core) for stock; Other type available by customer requested									
NOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up t 5.Line regulation is measured 6.Load regulation is measured	ers are specified at 115VAC input, rated load, 25°C 70% RH ambient. The output voltage set at point measure by plug terminal & 50% load. se are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. Includes set up tolerance, line regulation, load regulation. On is measured from low line to high line at rated load. It is measured from 20% to 100% rated load Supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets										
	LIVIO GIICOLIVES.										EC 2007 02 (



