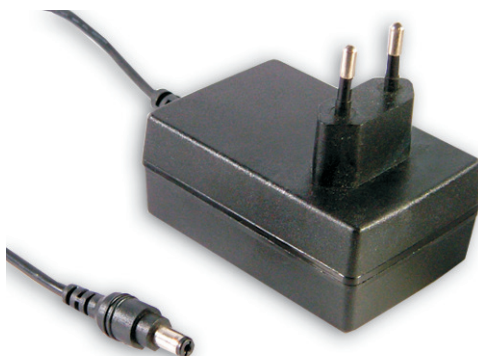




20~25W AC-DC Single Output Wall-mounted type

ES25E series



■ Features :

- Universal AC input / Full range
- 2 pole EURO plug
- Class II power (without earth pin)
- Full output 5~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- PWM 3842 control circuit and regulated
- LED indicator for power on
- Approvals: TUV / CB / CE
- 1 year warranty

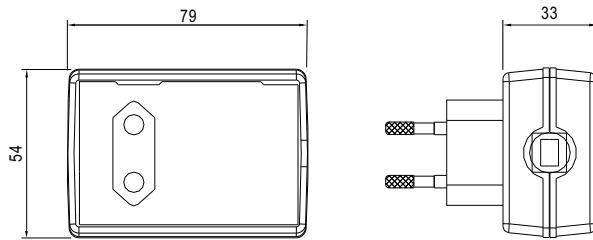
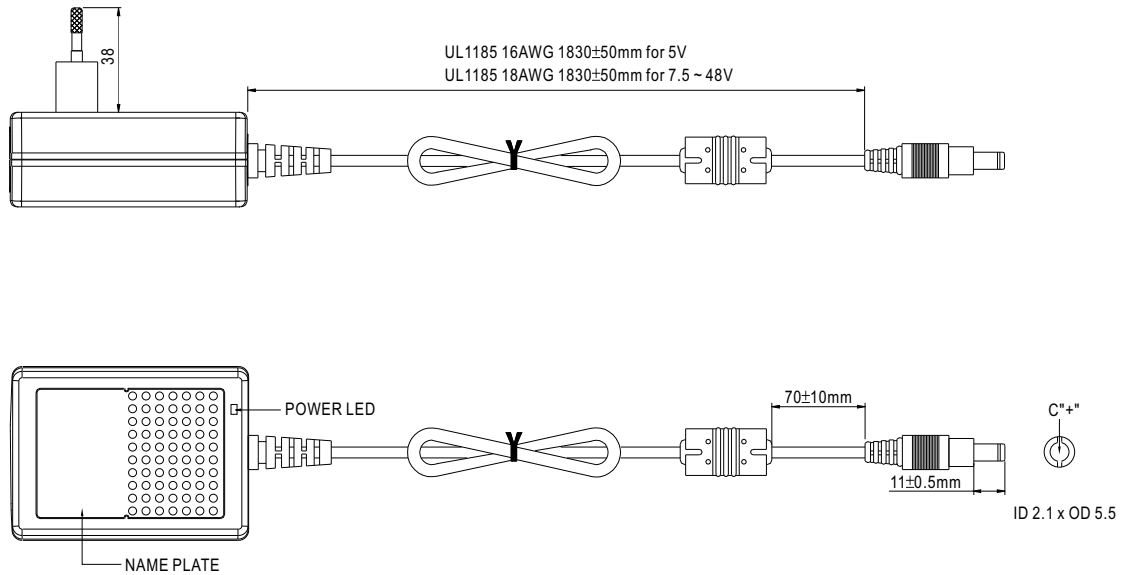


SPECIFICATION

ORDER NO.		ES25E05-P1J	ES25E07-P1J	ES25E09-P1J	ES25E12-P1J	ES25E15-P1J	ES25E18-P1J	ES25E24-P1J	ES25E28-P1J	ES25E36-P1J	ES25E48-P1J
OUTPUT	SAFETY MODEL NO.	ES25E05-050	ES25E07-075	ES25E09-090	ES25E12-120	ES25E15-150	ES25E18-180	ES25E24-240	ES25E30-280	ES25E36-360	ES25E48-480
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	36V	48V
	RATED CURRENT	4.0A	2.93A	2.77A	2.08A	1.66A	1.38A	1.04A	0.89A	0.69A	0.52A
	CURRENT RANGE	0.4 ~ 4.0A	0.3 ~ 2.93A	0.2 ~ 2.77A	0.1 ~ 2.08A	0.1 ~ 1.66A	0.1 ~ 1.38A	0.1 ~ 1.04A	0.1 ~ 0.89A	0.06 ~ 0.69A	0.05 ~ 0.52A
	RATED POWER (max.)	20W	22W	25W	25W	25W	25W	25W	25W	25W	25W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±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%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
SETUP, RISE, HOLD UP TIME		600ms, 50ms, 16ms at full load									
INPUT	VOLTAGE RANGE		90 ~ 264VAC 135 ~ 370VDC								
	FREQUENCY RANGE		47 ~ 63Hz								
	EFFICIENCY (Typ.)	70%	72%	76%	76%	78%	80%	82%	82%	82%	82%
	AC CURRENT		0.7A / 100VAC								
	INRUSH CURRENT (max.)		40A / 230VAC								
LEAKAGE CURRENT(max.)		0.25mA / 240VAC									
PROTECTION	OVERLOAD		110 ~ 150% rated output power			130 ~ 180% rated output power					
			Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE		105 ~ 135% rated output voltage								
			Protection type : Shut down o/p voltage, re-power on to recover								
ENVIRONMENT	WORKING TEMP.		0 ~ +50℃ (Refer to output load derating curve)								
	WORKING HUMIDITY		20% ~ 90% RH non-condensing								
	STORAGE TEMP., HUMIDITY		-20 ~ +85℃, 10 ~ 95% RH								
	TEMP. COEFFICIENT		±0.03% / °C (0 ~ 50℃)								
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC (Note. 7)	SAFETY STANDARDS		TUV EN60950-1 approved								
	WITHSTAND VOLTAGE		I/P-O/P:3KVAC								
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH								
	EMI CONDUCTION & RADIATION		Compliance to EN55022 class B								
	HARMONIC CURRENT		Compliance to EN61000-3-2,3								
	EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A								
OTHERS	MTBF		500Khrs min. MIL-HDBK-217F(25℃)								
	DIMENSION		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 type UL1185 6ft (with ferrite core) for stock ; Other type available by customer requested								
NOTE	1.All parameters are specified at 230VAC input, rated load, 25℃ 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 20% 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.										

Mechanical Specification

Unit:mm

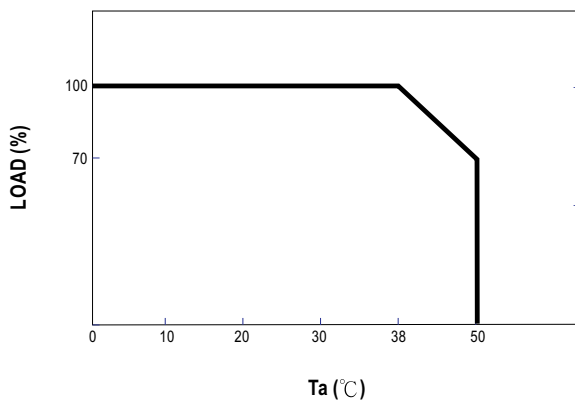


Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

