

Country of Origin : Taiwan  
 Operating Temperature : 0 ~ 40° C  
 Dimension : 79 x 54 x 33 mm  
 Approvals / Marks : UL, c-UL, TÜV, CE, CB, CCC



B : IEC320-C8



C : IEC320-C6

### Features:

Available with IEC320-C8 (B) or IEC320-C6 (C) inlet

Wide input voltage 90~264 VAC

Power On LED

Over voltage, Overload and Short Circuit protection

100% burn-in tested / 1 year warranty

### Specification:

		OUTPUT							
OUTPUT	MODEL	Voltage	min. Load	max. Load	Tolerance	Ripple & N.	Efficiency	Max. Output Power	
	ES18 (B/C) 03-P1J	3.3V	0.3A	2.72A	±5%	50mV	55%	9W	
	ES18 (B/C) 05-P1J	5V	0.3A	3A	±5%	50mV	70%	15W	
	ES18 (B/C) 07-P1J	7.5V	0.3A	2A	±5%	80mV	72%	15W	
	ES18 (B/C) 09-P1J	9V	0.2A	2A	±5%	80mV	74%	18W	
	ES18 (B/C) 12-P1J	12V	0.15A	1.5A	±3%	80mV	76%	18W	
	ES18 (B/C) 15-P1J	15V	0.1A	1.2A	±3%	100mV	77%	25W	
	ES18 (B/C) 18-P1J	18V	0.1A	1A	±3%	150mV	78%	18W	
	ES18 (B/C) 24-P1J	24V	0.1A	0.75A	±2%	180mV	80%	18W	
	ES18 (B/C) 28-P1J	28V	0.06A	0.64A	±2%	240mV	81%	18W	
ES18 (B/C) 48-P1J	48V	0.05A	0.38A	±2%	240mV	82%	18W		
Output Voltage adjustment range		Fixed							
INPUT	Voltage	90 ~ 264VAC / 135 ~ 370VDC							
	Frequency	47 ~ 63 Hz							
	Current	< 0.5A@100VAC							
	Inrush Current	< 40A@230VAC							
	Leakage Current	< 0.25A@240VAC							
PROTECTION	Overload	3.3 ~ 9V models: 110 ~ 150% / 12 ~ 48V models: 130 ~ 180%					Hiccup, auto recovery		
	Over Voltage	105 ~ 135% of output, clamp by zener diode							
	Over Temperature	-							
	Short Circuit	Yes							
OTHERS	Startup time	300ms							
	Rise time	100ms							
	Holdup time (max)	16ms							
	Withstand Voltage	I/P-O/P: 3KVAC							
	Isolation Resist.	I/P-O/P: 500VDC / 100M Ohm							
Environment	Temperature	Operating: 0 ~ 50°C / Derating: 40 ~ 50°C : 3%/°C / Storage: -20 ~ 85°C							
	Humidity	20% ~ 90% RH (non condensing) / Storage: 10 ~ 95°C							
Connection	Input	Inlet: available with IEC320-C8 (B) or IEC320-C6 (C) inlet							
	Output	Plug: standard: 5.5 x 2.1 x 11mm (center +)							
M.T.B.F.	> 500K hours ( according to MIL-HDBK-217F at 25°C ambient )								
SAFETY	Approved: UL60950-1 / TÜV EN60950-1 / CSA 22.2								
EMC	EMI	EN61000-3-2,3 / EN55022 Class B							
	EMS	EN61000-4-2,3,4,5,6,8,11							
WEIGHT	N.W.: 0.22 kg								