

Features

产品特性

- ▲ No Load Power Consumption <0.5W
空载功率损耗<0.5W
- ▲ Peak Load up to 72W, 10s.
峰值负载功率可达72W, 可维持10s
- ▲ Protections: Short Circuit/ Overvoltage/ Overcurrent
保护种类: 短路/过电压/过流
- ▲ Cooling: Convection
冷却方式: 自然冷却
- ▲ Certification: IEC62368-1, TUV/CE Mark (LVD, EMC)



Key Market Segments & Applications

应用领域



Industrial



Specifications

规格参数

Input

输入

Model 型号	ESB-60-12	ESB-60-15	ESB-60-24	ESB-60-48
Input Voltage Range 输入电压	100-240VAC			
Input Frequency 输入频率	47-63 Hz			
Input Current (115VAC/230VAC) 输入电流	1.8A/1A			
Inrush Current (Cold start) 浪涌电流	60A			
Leakage Current 漏电流	<2mA at 240VAC, 60Hz			
No Load Power Consumption 空载功率损耗	<0.5W			
Efficiency (Typ) (230VAC) 效率	Up to 80%	Up to 85%	Up to 87%	Up to 87%

Output

输出

Output Voltage(Typ.) 输出电压	12VDC	15VDC	24VDC	48VDC
Rated Current 额定电流	5A	4A	2.5A	1.25A
Current Range 电流范围	0~5A	0~4A	0~3A	0~1.25A
Rated Power 额定功率	60W			
Peak Power 峰值功率	72W			

Line Regulation 线性调整率	1%			
Load Regulation 负载调整率	1%			
Start up Time 启动时间	1000ms/230VAC,2000ms/115VAC (at full load)			
Rise Time 上升时间	50ms (at full load)			
Hold up Time (Typ) 保持时间	50ms/230VAC, 12ms/115VAC (at full load)			
MAX Ripple & Noise (115VAC/230VAC) 最大纹波和噪声	120mVp-p	150mVp-p	240mVp-p	480mVp-p
Temperature Coefficient (0-50℃) 温度系数	± 0.03%/℃			
Overvoltage Protection 过电压保护	27.6~32.4V, Latching (unit shutdown), cycle AC input to reset			
Overcurrent Protection 过负载保护	>125% Inom, constant current mode			
Short Circuit Protection 短路保护	Hiccup mode,automatic recovery			
Environmental 环境				
Operating Temperature 工作温度	-10~+60℃			
Storage Temperature 储存温度	-20~+85℃			
Operating Humidity (non condensing) 工作湿度	10%-90% RH			
Cooling 冷却方式	Convection			
Altitude 工作海拔高度	2000m			
Withstand Voltage (For 1 minute) 耐压	Input-FG/PE: 1.5kVAC Intput-Output:3.0kVAC Output-FG: 500VAC			
Isolation Resistance 绝缘电阻	>100MΩ, Output-FG 500VDC			
Vibration (Non Operating) 耐震动	10-55Hz(1min sweep). 19.6m/s2; x,y,z for 1 hour each			
Shock 耐冲击	30g Peak , half-sine , 6 axis			
EMC & Safety 安规和电磁兼容				
Conducted & Radiated EMI 射频	Designed to meet EN55011 / EN55022 -B ,FCC-B,VCCI-B			
Harmonic Current 谐波电流	EN61000-3-2 class A ; EN61000-3-2 class C for loads ≥20%			
Voltage Flicker 电压闪烁测试	EN61000-3-3 class A			
ESD 静电放电抗度	EN61000-4-2,Level 3,Class A			
Radiated Susceptibility 辐射抗扰度	EN61000-4-3,Level 3,Class A			
Electrical Fast Transient Burst 脉冲群抗扰度	EN61000-4-4,Level 3,Class A			
Surge Susceptibility 浪涌	EN61000-4-5,Level 3,Class A			

Conducted Susceptibility 传导抗扰度	EN61000-4-6,Level 3,Class A
Magnetic fields 磁场抗扰度	EN61000-4-8,Level 3,Class A
Voltage Dips and input Interruptions 瞬跌与中断	EN61000-4-11,0%,10ms;0%,20ms;70%,500ms;0%,5s;Class A B B B
Safety Agency Certifications 安全认证	IEC/EN62368-1,TUV/CE Mark (LVD,EMC)

**Other
其他**

Weight (typ) 重量	280g
Size (LXWXH) (mm) 尺寸 (长*宽*高)	127×76×29.1
Connectors 连接器型号	
Warranty 保修期	Three years

**Outline Drawing
外形图**

