

ORDERING CODE

	<u>ZP</u>	<u>10</u>	<u>S</u>	<u>12</u>	<u>00</u>	<u>W</u>
Example:						
ZP=Zettler standard series						
AP=Customized series						
HP=High Performance series						
DP=DC-DC						
Total Output Power (W)						
Example:						
03=3W						
20=20W						
Output Type						
S=Single Output						
D=Dual Output						
T=Triple Output						
First Output Voltage						
05=5V, 12=12V						
Second Output Voltage						
06=6V, 12=12V						
00= No Second Output						
Input AC Voltage Range						
W=Wide Voltage Input						
H=High Voltage Input (≥165VAC)						
L=Low Voltage Input (<165VAC)						

FEATURES

- PCB mounted switching Power module
- AC input voltage range: 85VAC~265VAC
- DC input voltage range: 100VDC~370VAC
- Ambient temperature range:-25℃~85℃
- Storage temperature range:-40℃~105℃
- Leakage current (input :265VAC):<0.1mA
- Isolation voltage: input –Output≥3000Vac 60S
- Insulation Resistance: Input –Output 500VDC≥100M Ohms
- MTBF(at 25℃ 70%RH environment):>300000hrs
- Compact size, easy installation
- High efficiency Low standby Power consumption, environment-friendly
- Built-in output overcurrent protection, over-voltage protection, short circuit protection
- Built-in EMI filter components, comply with the EN55022 class B standard
- Insulation: class II

APPLICATIONS

This series could be widely applied in the LED, light control, Instrument, smart home and other home appliances.

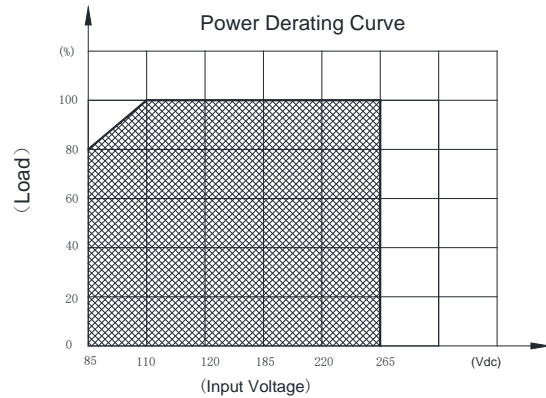
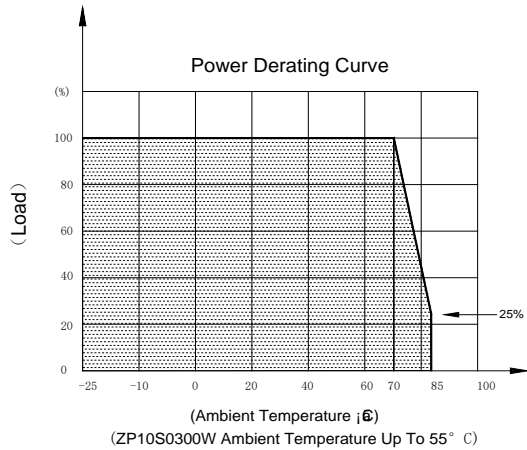
MODEL LIST

Part No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(℃)	Weight	Certificate	
								TUV	CB
ZP10S0300W	10W	3.3Vdc	3000mA	72%	<1% Vout	70	70g	●	●
ZP10S0500W	10W	5 Vdc	2000mA	72%	<1% Vout	70	70g	●	●
ZP10S0600W	10W	6 Vdc	1670mA	72%	<1% Vout	70	70g	●	●
ZP10S0700W	10W	7.5Vdc	1330mA	72%	<1% Vout	70	70g	●	●
ZP10S0800W	10W	8 Vdc	1250mA	72%	<1% Vout	70	70g	●	●
ZP10S0900W	10W	9 Vdc	1110mA	72%	<1% Vout	70	70g	●	●
ZP10S1000W	10W	10Vdc	1000mA	72%	<1% Vout	70	70g	●	●
ZP10S1200W	10W	12Vdc	830mA	72%	<1% Vout	70	70g	●	●
ZP10S1500W	10W	15Vdc	660mA	72%	<1% Vout	70	70g	●	●
ZP10S1800W	10W	18Vdc	550mA	72%	<1% Vout	70	70g	●	●
ZP10S2400W	10W	24Vdc	420mA	72%	<1% Vout	70	70g	●	●

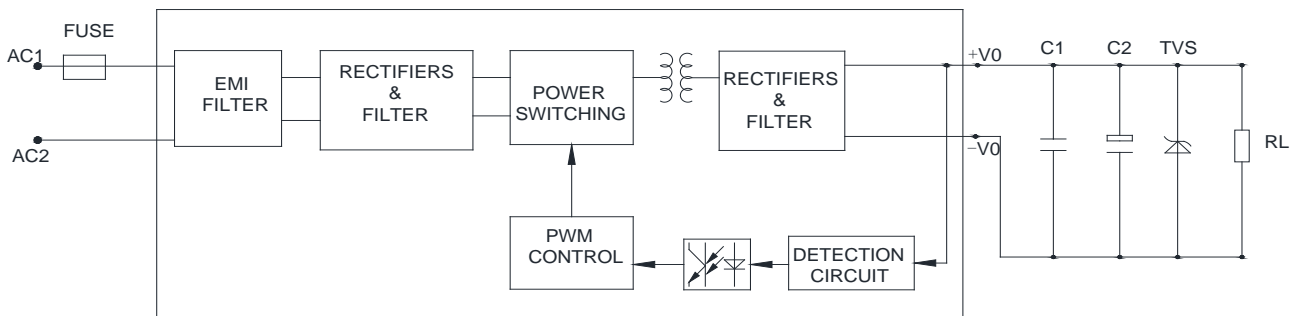
ELECTRICAL SPECIFICATION

Item		Specification		
Input	Input Voltage Range	85~265Vac or 100~370Vdc		
	AC Input Frequency Range	47~63Hz		
	Input Current	115Vac	230Vac	
		200mA	120mA	
	Inrush Current	115Vac	230Vac	
		20A	40A	
	Stand-by Power Consumption	0.3W Max		
	Recommended External Input Fuse	2A/250V (Time lag)		
Hot Plug	(Unavailable)			
Output	Output Voltage Accuracy	±5% (Typ)		
	Line Regulation	±0.5%		
	Load Regulation	±0.5%		
	Temperature Drift Factor	±0.05%/°C (0-85°C)		
	Min. Load	0		
	Set-Up time At Full Load	149ms/230Vac,248ms/115Vac		
	Hold-up Time At Full Load	62.4ms/230Vac ,10.6ms/115Vac		
Protection Characteristics	Over-Circuit Protection	≥120%Io Self-recovery		
	Short Circuit Protection	Hiccup ,continuous ,short capable, self-recovery		
Ambient	Ambient Temperature	- 25°C ~ 85°C (Refer to derating curve)		
	Ambient Humidity	10~90% RH (No Condensing) at full load		
	Storage Temperature	- 40°C ~ 105°C		
	Storage Humidity	5%~95%		
Safety &EMC requirement	Dielectric Strength	Input-Output ≥3000Vac 5mA 60S		
	Reference Safety Standards	UL/CUL60920 IEC/EN60950 IEC/EN60335 IEC/EN61558-2-16		
	EMI filter Need an external capacitance	CE	Meet CISPR22/EN55022, CLASS B	
		RE	Meet CISPR22/EN55022, CLASS B	
Reliability Requirement	MTBF(MIL-HDBK-217F)	300Khrs Min @230VAC input 25°C		
	Burn-In Test	The unit shall be burned in for 2~5 hours under 264Vac input and DC with full load at normal temperature		

PRODUCT CHARACTERISTIC CURVE



TYPICAL APPLICATION SCHEMATIC



Note: 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 meet EMC directives.

Optional recommendations on external components:

C1 from output filter is electrolytic capacitor, High frequency low resistance capacitance is recommended; withstand voltage derating over 80%.

C2 from output filter is ceramic capacitor, to remove high frequency noise.

TVS from output filter is to protect the rear circuit.

Fuse from input filter is to meet safety requirement. Type: 2A/250V Slow-Blow

MECHANICAL SPECIFICATION

