



ORDERING CODE

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 ($\geq 165\text{VAC}$)

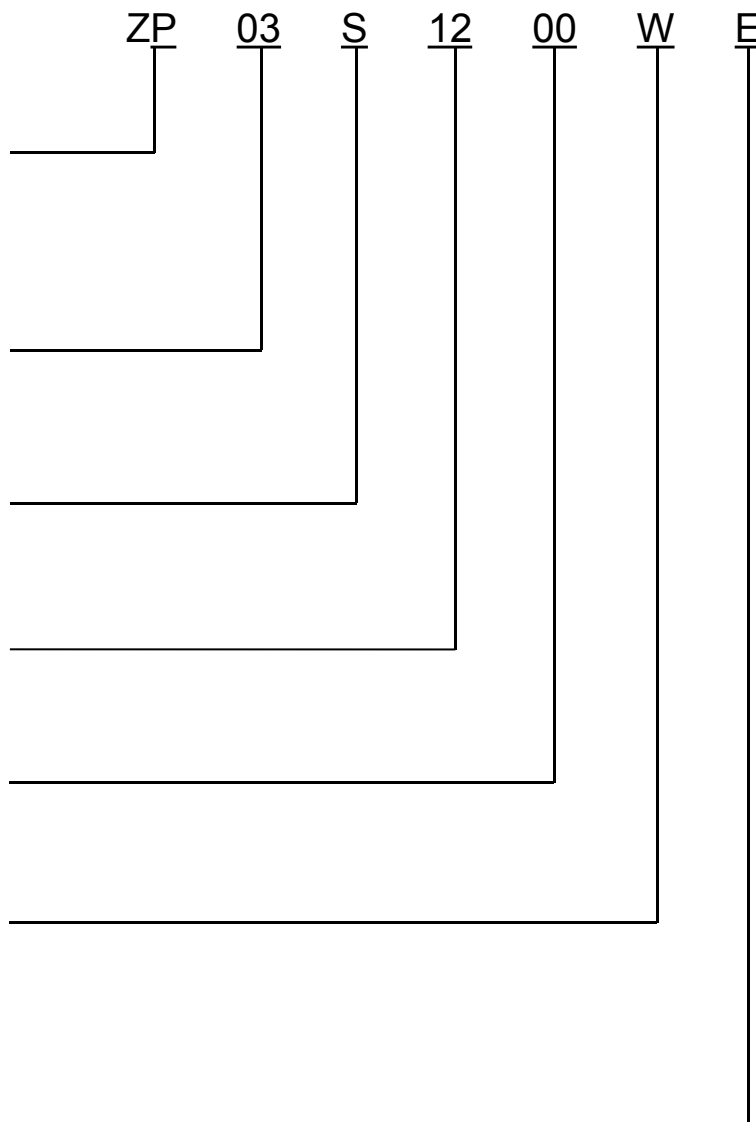
L = Low Voltage Input ($< 165\text{VAC}$)

Additional Case Type

Example

A: A Type case

B: B Type case...



FEATURES

- PCB mounted switching Power module
- AC input voltage range: 85VAC~265VAC
- DC input voltage range: 100VDC~370VDC
- Ambient temperature range: -25°C~50°C
- Storage temperature range: -40°C~105°C
- Leakage current (Input :265VAC): <0.1mA
- Isolation voltage: Input – Output ≥ 3000 VAC 60S
- Insulation Resistance: Input – Output 500VDC ≥ 100 M Ohms
- MTBF(at 25°C 70%RH environment): >300000hrs
- Compact size, easy installation
- High efficiency Low standby power consumption, environment-friendly
- Built-in output over current protection, over-voltage protection, short circuit protection
- Built-in EMI filter components, comply with the EN55032 class B standard
- Insulation: class II

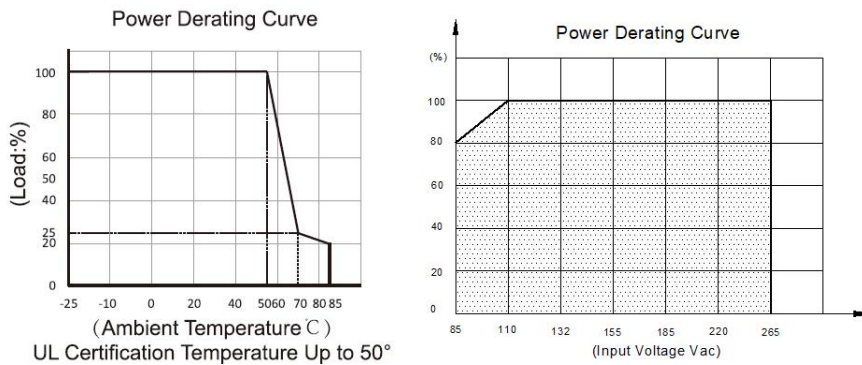
MODEL LIST

Part No.	Output Power	DC Voltage	Rated Current	Efficiency 230VAC, % Typ.	Ripple&Noise (max)	Ambient TEMP(°C)	Weight	Certificate
								UL
ZP03S0500WE	3W	5 Vdc	600mA	65%	<5% Vout	50	15g	●
ZP03S0600WE	3W	6 Vdc	500mA	65%	<5% Vout	50	15g	●
ZP03S0700WE	3W	7.5Vdc	400mA	65%	<5% Vout	50	15g	●
ZP03S0800WE	3W	8Vdc	375mA	65%	<5% Vout	50	15g	●
ZP03S0900WE	3W	9Vdc	333mA	65%	<5% Vout	50	15g	●
ZP03S1000WE	3W	10Vdc	300mA	65%	<5% Vout	50	15g	●
ZP03S1200WE	3W	12Vdc	250mA	65%	<5% Vout	50	15g	●
ZP03S1500WE	3W	15Vdc	200mA	65%	<5% Vout	50	15g	●
ZP03S1800WE	3W	18Vdc	166mA	65%	<5% Vout	50	15g	●
ZP03S2400WE	3W	24Vdc	125mA	65%	<5% Vout	50	15g	●

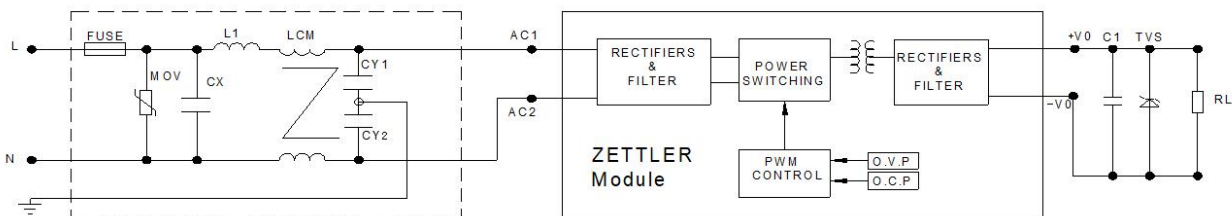
ELECTRICAL SPECIFICATION

Model No.		Specification		
Input	Rate Voltage	100-240VAC		
	Input Voltage Range	85-265VAC or 100~370VDC		
	Frequency (Hz)	47-63 Hz		
	Current (Full load)	115VAC	230VAC	
		70mA	40mA	
	Inrush Current (<500us)	10A	20A	
	No Load Loss	0.3W Max		
HOT PLUG	Unavailable			
Output	Voltage (V)	Refer to "Model List"		
	Current (mA) max.	Refer to "Model List"		
	Voltage Accuracy	0-10%: ±7% / 10-100% : ±5%		
	Line Regulation	±2%		
	Load Regulation	±3%		
	Minimum Load (mA)	0		
	Ripple & Noise	Refer to "Model List"		
	Efficiency (typ.)	Refer to "Model List"		
	Set-up Time	15.9ms/230Vac,23.8ms/115Vac		
	Hold up Time	20ms/230VAC ,10ms/115VAC		
Protection	Over Current Protection	≥ 120%Io Self-recovery		
	Short Circuit Protection	Hiccup ,continuous ,short capable, self-recovery		
Environment	Operating Temperature	-25°C...+50°C @Free air convection		
	Operating Humidity	10-90% RH		
	Storage Temperature	-40°C...+105°C		
	Storage Humidity	5-95% RH		
	Temperature Coefficient	±0.05%/°C (0~50°C)		
Physical	Case Material	Plastic (UL 94V-0 rated)		
	Weight	15g (ref.)		
Safety & EMC	Dielectric Strength	≥3000VAC/50HZ 5mA 1min (OR 4200VDC/2S) (I/P-O/P)		
	Safety Standards	Compliance With EN60950-1, UL60950-1, UL 62368-1		
	EMI	Compliance With EN55032, CLASS B	Need to add external EMC component (See the Schematic)	
	EMS (Noise Immunity)	EN61000-3-2 Class A Heavy industry level (surge L-N:1KV)		
Reliability Requirement	MTBF	300Khrs Min @230VAC . MIL-HDBK-217F (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



ITEM	MOV	CX	L1	LCM	CY1,CY2	FUSE
1~2W	14D561K	0.1-0.47uF	0.5~2mH/0.5A	10-30mH	100~2200pF/400VAC	1A/250V
3-10W	14D561K	0.1-0.47uF	0.5~2mH/1A	10-30mH	100~2200pF/400VAC	2A/250V
10~20W	14D561K	0.1-0.47uF	0.5~2mH/1A	10-30mH	100~2200pF/400VAC	3.15A/250V

Note: External circuit components are only recommendations, customers should choose their own components and values according to their specific system application requirements.

MECHANICAL SPECIFICATION

