

# **ZDR OEM DIN Rail Power Supplies with Display**



# ZDR OEM DIN Rail Power Supplies



Established in 2005, ZDR OEM stands out among DC power supply manufacturers for its commitment to reliability. With 600+ skilled engineers and manufacturing experts, ZDR fosters enduring partnerships with OEMs. Renowned for quality in the OEM market, ZDR operates its manufacturing plant in northern China, with distribution in Shenzhen.



ZDR offers versatile 60W, 100W, and 150W DIN rail power supplies equipped with integrated input and output voltage displays. This feature enhances monitoring capabilities, making them ideal for industrial environments

ZDR supports Over Voltage, Over Temperature, Overload, and Short circuit protection, ensuring device safety and reliability in various operating conditions.




# ZDR-60 Series (60W)



Model	ZDR-60-5	ZDR-60-12	ZDR-60-15	ZDR-60-24	ZDR-60-
48 Dc output voltage	5V	12V	15V	24V	48V
Rated current	6.5A	4.5A	4A	2.5A	1.25A
Current range	0-6.5A	0-4.5A	0-4A	0-2.5A	0-1.25A
Rated power	32.5W	54W	60W	60W	60W
Ripple & Noise (Max)	80mVp-p	150mVp-p	150mVp-p	200mVp-p	240mVp-p
Voltage regulation range	4.5-5.5V	10.8-13.8V	13.5-18V	21.6-26.4V	43.2-55.2V
Voltage accuracy	±2%	±1%	±1%	±1%	±1%
Linear adjustment rate	±1%	±1%	±1%	±1%	±1%
Load adjustment rate	±1%	±1%	±1%	±1%	±1%
±1% Start & rise time	2000 m S, 30 m S/ 115 VAC(full load) : 1000 m S, 30 m S/ 230 VAC				
Holding time	30 m S/ 230 VAC(Full load) 10 m S/ 115 VAC(Full load)				
Input voltage	85 - 264 VAC 120 - 370 VDC				
Input frequency	47 - 63 Hz				
efficiency	82%	85%	86%	88%	
88% Input current	1.2 A/ 115 VAC 0.8 / 230 VAC				
Power factor	0.65 / 230 VAC(Full load)				
Inrush current	50 A/ 230 VAC (Cold start)				
Leakage current					
Over-load protection	110%-150% of rated power				
	Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Over-current protection	110%-150% of the rated current				
	Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Short circuit protection	Output positive negative short circuit				
	Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Operating temperature	-30 ℃~ 7 0 ℃ (refer to derating curve)				
Working humidity	20 ~ 90% RH no condensation				
Store temperature/humidity	-40 ℃~ 8 5 ℃ 10 ~ 95%RH, no condensation				
Vibration resistance	10 ~ 500 HZ, 5 G 10 minutes/cycle, X, Y, Z 60 minutes each				
Withstand voltage	Input to output: 800 VAC				
Insulation impedance	Input to output: 100 M Ohms/ 500 VDC/ 25℃/ 70% RH				
Safety specification					
Product size	52.5 * 90 * 54.5 mm (L* W* H)				
package	0.19 kg/ pcs				

# ZDR-100 Series (100W)





Model	ZDR-100-12	ZDR-100-15	ZDR-100-24	ZDR-100-36	ZDR-100-48
Dc output voltage	12V	15V	24V	36V	48V
Rated current	7.5A	6.5A	4.2A	2.7A	2.1A
Current range	0-7.5A	0-6.5A	0-4.2A	0-2.7A	0-2.1A
Rated power	90W	97W	100W	100W	100W
Ripple & Noise (Max)	150mVp-p	150mVp-p	200mVp-p	220mVp-p	240mVp-p
Voltage regulation range	10.9-13.2V	13.6-16.5V	21.8-26.4V	32.7-39.6V	43.6-52.8V
Voltage accuracy	±1%	±1%	±1%	±1%	±1%
Linear adjustment rate	±1%	±1%	±1%	±1%	±1%
Load adjustment rate	±1%	±1%	±1%	±1%	±1%
Start & rise time	2000mS, 30mS/115VAC(Full load) ; 1000mS, 30mS/230VAC				
Holding time	30mS/230VAC(Full load) 10mS/115VAC(Full load)				
Input voltage	85-264VAC 120-370VDC				
Input frequency	47-63Hz				
Efficiency	87%	87%	88%	88%	88%
Input current	3A/115VAC1.6/230VAC				
Power factor	0.65/230VAC(Full load)				
Inrush current	70A/230VAC (Cold start)				
Leakage current					
Overload protection	110%-150% of rated power				
	Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Over-current protection	110%-150% of the rated current				
	Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Short circuit protection	Output positive negative short circuit				
	Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Operating temperature	-30℃~70℃ (refer to derating curve)				
Working humidity	20~90%RH no condensation				
Store temperature/humidity	-40℃ to 85℃10~95%RH, no condensation				
Vibration resistance	10~500HZ, 5G10 minutes/cycle,X, Y, Z 60 minutes each				
Withstand voltage	Input to output :800VAC				
Insulation impedance	Input to output :100MOhms/500VDC/25℃/70%RH				
Safety specification					
Product size	70*90*54.5mm (W*H*D)				
package	0.25kg/pcs				

# ZDR-150 Series (150W)



Model		ZDR-150-12	ZDR-150-15	ZDR-150-24	ZDR-150-36	ZDR-150-
48 Dc output voltage		12V	15V	24V	36V	48V
Rated current	115 VAC	10.2A	8.5A	5.3A	3.6A	2.7A
	230 VAC	11.3A	9.5A	6.2A	4.2A	3.2A
Current range		0-11.3A	0-9.5A	0-6.2A	0-4.2A	0-
3.2A Rated power	115 VAC	120W	125W	125W	125W	130W
	230 VAC	135W	142W	150W	150W	150W
Ripple & Noise (Max)		150mVp-p	150mVp-p	200mVp-p	220mVp-p	240mVp-p
Voltage regulation range		10.9-13.2V	13.6-16.5V	21.8-26.4V	32.7-39.6V	43.6-
52.8V Voltage accuracy		±1%	±1%	±1%	±1%	
±1% Linear adjustment rate		±1%	±1%	±1%	±1%	
±1% Load adjustment rate		±1%	±1%	±1%	±1%	
±1% Start & rise time		2000mS, 30mS/115VAC(Full load) ; 1000mS, 30mS/230VAC				
Holding time		30mS/230VAC(Full load) 10mS/115VAC(Full load)				
Input voltage		85-264VAC 120-370VDC				
Input frequency		47-63Hz				
efficiency		87%	87%	88%	88%	88%
Input current		3A/115VAC1.6A/230VAC				
Power factor		0.65/230VAC(Full load)				
Inrush current		70A/230VAC (Cold start)				
Leakage current						
Overload protection		110%-150% of rated power				
		Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Over-current protection		110%-150% of the rated current				
		Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Short circuit protection		Output positive negative short circuit				
		Protection mode: hiccup protection, automatically recovered after abnormal conditions are removed				
Operating temperature		-30℃~70℃ (refer to derating curve)				
Working humidity		20~90%RH no condensation				
Store temperature/humidity		-40℃ to 85℃10~95%RH, no condensation				
Vibration resistance		10~500HZ, 5G10 minutes/cycle,X, Y, Z 60 minutes				
each Withstand voltage		Input to output :800VAC				
Insulation impedance		Input to output :100MOhms/500VDC/25℃/70%RH				
Safety specification						
Product size		105*90*54.5mm (W*H*D)				
package		0.327kg/pcs				

# Dimensions



## ZDR-60



## ZDR-100



## ZDR-150

