

PLZ-W2 Series Standard Features

MODEL		PLZ72W	PLZ152W	PLZ1002W	
Load Input	Input Voltage	4-110VDC		3-110VDC	
	Input Current (Resolution-Theoretical Value)	0-12A (10mA)	0-30A (30mA)	0-200A (200mA)	
	Allowable Power	70W	150W	1000W	
Operational Mode	Constant Current Mode	0-12A/0-12A (2 range continuously variable)	0-30A/0-30A (2 range continuously variable)	0-200A/0-20A (2 range continuously variable)	
	Constant Resistance Mode	0.2Ω/0.2Ω (2 ranges continuously variable. Min. resistance of 0.3 can be used)	0.1Ω/0.1Ω (2 ranges continuously variable. Min. resistance of 0.13 can be used)	0.02-0.4Ω / 0.2-4Ω or over (2 range continuously variable)	
Constant Current Characteristics	Between 4 and 110V of input voltage	±0.1% + 2mA (at 0.5A of load current)	±0.1% + 5mA (at 1A of load current)	+0.1% + 20mA (at 3A of load current)	
	At variation of ±10% line Voltage	±0.1% + 2mA	±0.1% + 5mA	±0.1% + 20mA	
	Ripple/Noise (5Hz-1MHz)	2mA rms (Frequency range 5Hz-1MHz)	5mA rms (Frequency range 5Hz-1MHz)	50mA rms (Frequency range 5Hz-1MHz)	
	Temperature coefficient (Standard Value)	Approximately 0.02%/°C		Approximately 0.01%/°C	
	Rise/Fall Time	Less than 100μs (at load current of 12A)	Less than 150μs (at load current of 30A)	Less than 400μs (at load current 0-200A)	
Constant Resistance Mode	Temperature Coefficient (Standard Value)	Approximately 0.02%/°C		Approximately 0.01%/°C	
	±10% Variation of the Power Source	±0.1% ± 2mA	±0.1% ± 5mA		
Remote Control	Constant Current	By External Voltage	0-12A at 0-10V (input impedance is approx. 10kΩ)	0-30A at 0-10V (input impedance is approx. 10kΩ)	0-200A at 0-10V (input impedance is approx. 10kΩ)
		By External Resistance	0Ω-5kΩ		
	Constant Resistance	By External Resistance	0Ω-5kΩ		
Protection Circuits	Over Voltage Protection	Shuts off input current at about 115VDC			
	Over Current Protection	Removes load at about 12.5A	Removes load at about 31A	Removes load at about 210A	
	OverPower Protection	Removes load at approx. 73W	Removes load at approx. 155W	Removes load at approx. 1050W	
	Protection for Reverse Polarity Connection	Reverse current is prevented by series diodes			
	Internal Overheating Protection	The load input is shut off at 100 ± 5°C			
	Input Power Source Fuse	1A		2A	
Indicators	Maximum Readout	1999			
	Accuracy of Ammeter	±(0.5% of rdg + 0.1% of f.s. + 1 digit), 23°C ± 5°C, less than 85% RH			
	Accuracy of Voltmeter	±(0.1% of rdg + 0.1% of f.s. + 1 digit), 23°C ± 5°C, less than 85% RH			
Parallel Operation		One control parallel operation is possible. Any unit may be master/slave			
Current Monitor Output		Output: 10mV/A BNC front panel connector		1mV/A BNC front panel connector	
Switching Oscillator	Switching Period	1ms-10ms/10ms-100ms, 2 ranges		5ms-50ms/50ms-500ms, 2 ranges	
Ambient Temperature-Humidity		0-40°C, 10-90% relative humidity			
Cooling Method		Forced air cooling by fan			
Dimensions (Max Size)		65(70)W x 140(151)H x 300(340)Dmm 2.56(2.75)W x 5.52(5.94)H x 11.8(13.4)Dinch	132(144)W x 140(150)H x 350(405)Dmm 5.20(5.67)W x 5.52(6.26)H x 13.8(16.0)Dinch	430(455)W x 145(165)H x 400(495)Dmm 16.9(17.9)W x 5.75(6.50)H x 15.8(19.5)Dinch	
Weight		Approx. 3 kg(6.62lbs)	Approx. 5 kg(11.0lbs)	Approx. 17.5 kg(38.6lbs)	
Power	AC Input	AC 100V ± 10% 50/60Hz			
	Power Consumption	Approx. 20VA	Approx. 30VA	Approx. 70VA	
Accessories		Guard Cap (2)			