

PLR-Series Specifications

The specifications apply when the PLR-Series is powered on for at least 30 minutes under +20°C~+30°C.

Model	PLR20-18	PLR20-36	PLR36-10	PLR36-20	PLR60-6	PLR60-12
OUTPUT RATING						
Voltage	0V to 20V		0V to 36V		0V to 60V	
Current	0 ~ 18A	0 ~ 36A	0 ~ 10A	0 ~ 20A	0 ~ 6A	0 ~ 12A
Power	360W	720W	360W	720W	360W	720W
REGULATION (CV)						
Load	0.005%FS+2mV		0.005%FS+2mV		0.005%FS+2mV	
Line	0.005%FS+1mV		0.005%FS+1mV		0.005%FS+1mV	
REGULATION (CC)						
Load	5mA		5mA		5mA	
Line	5mA	10mA	1mA	5mA	1mA	5mA
RIPPLE & NOISE (Noise Bandwidth= 20MHz ; Ripple Bandwidth = 1MHz)						
CV p-p	30mVp-p		30mVp-p		30mVp-p	
CV rms	0.5mVrms		0.5mVrms		0.5mVrms	
CC rms	10mArms		5mArms	10mArms	5mArms	5mArms
SETTING ACCURACY (23°C±5°C, after 30-minute aging)						
Voltage	± (0.5%SET+0.5%F.S):		± (0.5%SET+0.5%F.S):		± (0.5%SET+0.5%F.S):	
Current	± (1%SET+1%F.S):		± (1%SET+1%F.S):		± (1%SET+1%F.S):	
Power	±(0.7%rdg+1.5%F.S):		±(0.7%rdg+1.5%F.S):		±(0.7%rdg+1.5%F.S):	
READBACK ACCURACY (23°C±5°C, after 30-minute aging)						
Voltage	±(0.1%rdg+2digit):		±(0.1%rdg+2digit):		±(0.1%rdg+2digit):	
Current	±(0.5%rdg+2digit):		±(0.5%rdg+2digit):		±(0.5%rdg+2digit):	
RESPONSE TIME						
Raise Time	50ms/50ms: No load/Rated load Output voltage: 10%→90%FS		50ms/50ms: No load/Rated load Output voltage: 10%→90%FS		50ms/50ms: No load/Rated load Output voltage: 10%→90%FS	
Fall Time(Full load)	50ms ; Output voltage: 90%→10%FS		50ms ; Output voltage: 90%→10%FS		150ms ; Output voltage: 90%→10%FS	
Fall Time(No load)	250ms ; Output voltage: 90%→10%FS		250ms ; Output voltage: 90%→10%FS		600ms ; Output voltage: 90%→10%FS	
Load Transient Recover Time (Load change from 50 to 100%)	100µs		100µs		100µs	
SETTING RESOLUTION						
Voltage	10mV		10mV		10mV	
Current	10mA		10mA		10mA	
MEASUREMENT RESOLUTION						
Voltage	10mV		10mV		10mV	
Current	10mA		10mA		10mA	
SERIES AND PARALLEL CAPABILITY						
Parallel Operation	Up to 3 units		Up to 3 units		Up to 3 units	
Series Operation	Up to 2 units		Up to 2 units		Up to 2 units	
PROTECTION FUNCTION						
OVP	Set range: 10% to 110% FS. Set resolution: 10 times the minimum display resolution. Activated when the output voltage exceeds the set OVP value: Hardware detection.					
OCP	Set range: 5% to 110% FS. Set resolution: 10 times of minimum display resolution. Activated when the output current exceeds set OCP value: Software detection.					
UVP	Set range: -1V to 110% FS. Set resolution: 10 times the minimum display resolution. Activated when the output voltage falls below the set UVP value: Software detection.					
ENVIRONMENT CONDITION						

Operation Temp	0°C to 40°C					
Storage Temp	- 20°C to 60°C					
Operating Humidity	30% to 85% RH (No dew condensation)					
Storage Humidity	20% to 85% RH (no dew condensation)					
READ BACK TEMP WEFFICIENT						
Voltage	±100ppm/°C		±100ppm/°C		±100ppm/°C	
Current	±100ppm/°C		±100ppm/°C		±100ppm/°C	
OTHER						
Power consumption	570VA	1100VA	520VA	1050VA	510VA	1000VA
Power factor	0.99		0.99		0.99	
Coolingmethod	Forced cooling: Fan speed proportionate to the temperature of the internal heat sink.					
Power Source	Single-phase 100VAC to 240VAC, 50Hz to 60Hz					
Interface	RS-232C/LAN (Standard:) ; GPIB/USB (option)					
Analog Control	Yes					
Dimension	139.5 (H) * 140(W) *415.5(D)	139.5 (H) * 210(W) *415.5(D)	139.5 (H) * 140(W) *415.5(D)	139.5 (H) * 210(W) *415.5(D)	139.5 (H) * 140(W) *415.5(D)	139.5 (H) * 210(W) *415.5(D)
Weight	5.2kg	7.5kg	5.2kg	7.5kg	5.2kg	7.5kg

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