

## 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
<b>OUTPUT RATING</b>						
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
<b>REGULATION (CV)</b>						
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	
<b>REGULATION (CC)</b>						
Load	5mA		5mA		5mA	
Line	5mA	10mA	1mA	5mA	1mA	5mA
<b>RIPPLE &amp; NOISE (Noise Bandwidth= 20MHz ; Ripple Bandwidth = 1MHz)</b>						
CV p-p	30mVp-p		30mVp-p		30mVp-p	
CV rms	0.5mVrms		0.5mVrms		0.5mVrms	
CC rms	10mArms		5mArms	10mArms	5mArms	5mArms
<b>SETTING ACCURACY (23°C±5°C, after 30-minute aging)</b>						
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):	
<b>READBACK ACCURACY (23°C±5°C, after 30-minute aging)</b>						
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):	
<b>RESPONSE TIME</b>						
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	
<b>SETTING RESOLUTION</b>						
Voltage	10mV		10mV		10mV	
Current	10mA		10mA		10mA	
<b>MEASUREMENT RESOLUTION</b>						
Voltage	10mV		10mV		10mV	
Current	10mA		10mA		10mA	
<b>SERIES AND PARALLEL CAPABILITY</b>						
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	
<b>PROTECTION FUNCTION</b>						
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.					
<b>ENVIRONMENT CONDITION</b>						

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)					
<b>READ BACK TEMP WEFFICIENT</b>						
Voltage	±100ppm/°C		±100ppm/°C		±100ppm/°C	
Current	±100ppm/°C		±100ppm/°C		±100ppm/°C	
<b>OTHER</b>						
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