

Flexible range Regulated DC Power Supplies

- PSF-400L** (80V/40A/400W)
- PSF-800L** (80V/80A/800W)
- PSF-400L2** (80V/40A/400W x 2)
- PSF-800LS** (80V/80A/800W) (Slave Model)
- PSF-1200L** (80V/120A/1200W)
- PSF-1600L** (80V/160A/1600W)

● Flexible output range

Possible to output voltage and current flexibly within the rating power. In case of PSF-800L, 10V/80A to 80V/10A, 20V/40A to 40V/20A, etc. are available corresponding to plural number of conventional regulated DC power supplies.

● 90°rotating panel operation part

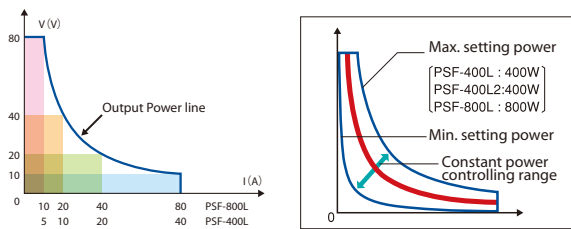
90°rotating panel installs the unit vertically or horizontally.

● Sequence function

Stand alone sequence operation is possible sending the sequence made with PC to the unit through optional IF-60GP or IF-60RU interface board.

● Control of constant power

In addition to constant voltage(CV) and constant current(CC), constant power(CP) is also available for use of supplying arbitrary power or as limit function to protect being added over power to load side.



Specifications

Model	Rating Power	Output (Voltage, Current)	Ripple		Line regulation		Load regulation		Dimensions W×H×D (mm)	Max. dimensions W×H×D (mm)	Power consumption W/VA (approx.)	Weight kg (approx.)
			CV	CC	CV	CC	CV	CC				
			mVrms	mArms	mV	mA	mV	mA				
PSF-400L	400W	0V-80V, 0A-40A	4	30	10	6	11	11	210×124×290	229×143×338	560VA	5
PSF-800L	800W	0V-80V, 0A-80A	6	60	10	10	11	19	210×124×290	229×143×338	1120VA	7
PSF-400L2	400W x2ch	0V-80V, 0A-40A	4	30	10	6	11	11	210×124×290	229×143×338	1120VA	7
PSF-800LS	800W	0V-80V, 0A-80A	-	-	-	-	-	-	210×124×290	229×143×338	1120VA	7

Output rating

Model name	PSF-400L	PSF-800L	PSF-400L2	PSF-800LS
Rating output voltage	80.00V	80.00V	80.00V×2CH	80.00V
Setting accuracy	0.1% setting ±2digit			
Resolution	10mV			
Display accuracy	0.2% reading ±2digit			
Rating output current	40.00A	80.00A	40.00A×2CH	80.00A
Setting Accuracy	0.2% setting ±2digit			
Resolution	10mA			
Display accuracy	0.3% reading ±2digit			
Rating output power	400W	800W	400W×2CH	800W
Setting Accuracy	±10W			
Resolution	10W			
Display accuracy	0.5% reading ±5digit			

Constant voltage characteristics

Model name	PSF-400L	PSF-800L	PSF-400L2
Line regulation	0.01%±2mV of rating voltage		
Load regulation	0.01%±3mV of rating voltage		
Ripple noise (p-p)	90mV	150mV	90mV
Ripple noise (rms)	4mV	6mV	1mV
Transient response (typ)	1ms		
Rising time (typ)	50ms (Rating load) 50ms (No load)		
Falling time (typ)	100ms (Rating load) 50ms (No load)		
Temperature coefficient (typ)	50ppm/°C (after 30 minute warming up)		

PSF-L Series

90° Rotating Panel



● External control

Output voltage and current can be set through external voltage or PSF-L Series external resistor, and to control output on/off by external contact signal.

● Application software for making sequence program can be downloaded from our website.

● Others

Off timer function, 3-point preset function, monitor out function (voltage, current and status), protection function, delay function (PSF-400L2 only), and tracking function (PSF-400L2 only).

● Parallel/series operation

Including master unit, 4 units in parallel and 2 units in series connection can be controlled by one master unit. Current expansion model(exclusive slave unit) in parallel connection is available.



Horizontal installation (using OP-21A)

Vertical installation (using OP-21B)



PSF-400L/800L + PSF-800LS

Constant current characteristics

Model name	PSF-400L	PSF-800L	PSF-400L2
Line regulation	0.01%±2mA of rating voltage		
Load regulation	0.02%±3mA of rating voltage		
Ripple noise (rms)	30mA	60mA	30mA
Temperature coefficient (typ)	100pm/°C (after 30 minute warming up)		

Constant power characteristics

Model name	PSF-400L	PSF-800L	PSF-400L2
Line regulation	0.5%±10W		

Input rating

Model name	PSF-400L	PSF-800L	PSF-400L2	PSF-800LS
Input voltage	single phase AC100V - AC240V frequency : 50Hz/60Hz			
Power consumption	560VA	1120VA	1120VA	1120VA
Power factor	0.99			
Rush current	35Amax	70Amax	70Amax	70Amax

Options

IF-60GP	GP-IB control board	HK-10	Handle kit
IF-60RU	RS-232C/USB control board	OP-22S	Series connection cable
OP-21A	Horizontal installation connection kit	OP-22P	Parallel connection cable
OP-21B	Vertical installation connection kit		