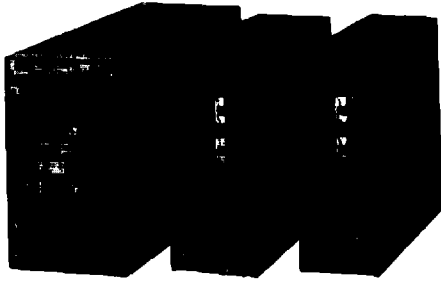


**Compact, High-Performance
30W, 50W, and 100W
Switching Power Supplies**



Features

- Ideal for high-performance power switching
- Compact, lightweight and energy efficient
- A variety of output capacities combined with the most widely-used input and output voltages
- Features short-circuit (overcurrent) protection
- Includes an LED operation indicator
- Parallel operation for all units
- UL recognized



PSR-H Series Part List

Output	Part No.	Output Rating		Input Voltage		
30W	PSR-H30U-05-AC100	5V	6A	100V nominal: 85-132V AC, 105-170V DC compatible		
	PSR-H30U-12-AC100	12V	2.5A			
	PSR-H30U-15-AC100	15V	2A			
	PSR-H30U-24-AC100	24V	1.3A			
	50W	PSR-H50U-05-AC200	5V	6A	200V nominal: 170-264V AC	
		PSR-H50U-12-AC200	12V	2.5A		
		PSR-H50U-15-AC200	15V	2A		
		PSR-H50U-24-AC200	24V	1.3A		
100W		PSR-H100U-05-AC100	5V	10A	100V nominal: 85-132V AC, 105-170V DC compatible	
		PSR-H100U-12-AC100	12V	4.5A		
		PSR-H100U-15-AC100	15V	3.6A		
		PSR-H100U-24-AC100	24V	2.3A		
	50W	PSR-H50U-05-AC200	5V	10A	200V nominal: 170-264V AC	
		PSR-H50U-12-AC200	12V	4.5A		
		PSR-H50U-15-AC200	15V	3.6A		
		PSR-H50U-24-AC200	24V	2.3A		
		30W	PSR-H30U-05-AC200	5V	6A	200V nominal: 170-264V AC
			PSR-H30U-12-AC200	12V	2.5A	
			PSR-H30U-15-AC200	15V	2A	
			PSR-H30U-24-AC200	24V	1.3A	

Mounting Brackets (Optional)

Mtg Plate	Small L-Bracket	Long L-Bracket	Din Rail Bracket	Used With	
PSR-HA30	PSR-HB30	PSR-HC30	PSR-SD55	PSR-H30	30W
PSR-HA50	PSR-HB50	PSR-HC30		PSR-H50	50W
PSR-HA150	PSR-HB150	—		PSR-H100	100W

Front Panel (Terminals)

Terminal	Name	Description
V. ADJ	Voltage Adjustment	Adjust ±10%. Turn clockwise to increase output voltage.
ON	Op. Indicator	Red LED is lit when output voltage is on.
+V, -V	DC Output Terminals	+V: Positive output terminal. -V: Negative output terminal.
FG	Frame Ground	Ground FG terminal to reduce high-frequency currents caused by switching.
G	Filter Grnd	Grounds input filter; ground with FG terminal.
INPUT	Input Term.	Accepts wide range of voltages, frequencies.
+S, -S	Remote Sens	Compensates V drop on output line. See pg. L-3
RC	Remote Contr	Turn output on/off by switching relay contacts.

Specifications

Part No.	PSR-H30, 30W	PSR-H50, 50W	PSR-H100, 100W
Input	Input Voltage (Sng-phase, 2-wire) 100V nom: 85-132V AC, 105-170V DC compatible 200V nom: 170-264V AC		
	Frequency 47 to 440Hz		
	Input Current 0.6A @ 100V 0.3A @ 200V		
	Inrush Current 100V nominal: 20A maximum 200V nominal: 20A maximum		
	Leakage Current 100V nominal: 0.5 mA maximum 200V nominal: 1 mA maximum		
Output	Efficiency 76% min.		
	Voltage and Current Ratings 5V, 6A 12V, 2.5A 15V, 2A 24V, 1.3A		
	Adjustments Voltage Range: ±10% (V.ADJ term. – front)		
	Output Holding Time 20 msec minimum (at rated input and output)		
	Rise Time 300 msec maximum (at rated input/output)		
	Input Fluctuation 0.2% maximum		
	Load Fluctuation 0.3% maximum		
	Temp. Change 0.02% per °C maximum (0 to 50°C)		
	Ripple Voltage 1% p-p maximum (including noise)		
	Overcurrent Protection 120% typ, inverted-L drop, auto reset		
Overvoltage Protection Output off @ 120% typ, reset when input voltage restored.			
Auxiliary Functions Parallel operation, remote on/off, remote sensing, operation LED indicator			
Operation Indicator LED			
Dielectric Strength Between input terminal and output terminal or housing: 1,500V AC, 1 minute Betw. output term. and housing: 500V AC, 1 min.			
Insulation Resistance Between input terminal and output terminal or housing: 100MΩ min. (500V DC megger)			
Operating Temperature -10 to 50°C (up to 70°C by derating)			
Storage Temperature -30 to 80°C			
Operating Humidity 20 to 90% RH			
Vibration Resistance 2G (10 to 55Hz)			
Shock Resistance 100N (approx. 10G)			
Dimensions All: 4.33"H (110mm)			
Terminal Screw M3.5 slotted, Phillips-head screw			
Housing Color Light gray			

Note: See page L-3 for installation and operation details.

