

PSP/PSPA Series

600W~1000W Single Output



Power Supply Features

- Universal AC input / Full range
- Built-in active PFC (Power Factor Correction)
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Forced air cooling by built-in DC fan
- DC OK Signal output
- Current sharing up to 2400W (PSP-600), 4000W (PSPA-1000)
- Built-in remote ON-OFF control
- Built-in remote voltage sense function
- LED indicator for power on
- **3 year warranty (PSP-600)**
- **5 year warranty (PSPA-1000)**

General Specifications



Model No.	PSP-600	PSPA-1000
AC input voltage range	88~264VAC; 127~370VDC	90~264VAC; 127~370VDC
AC inrush current (max)	Cold start, 40A at 230VAC	
DC adjustment range	Approx. $\pm 15\%$ rated output voltage (5V = $\pm 10\%$)	-8%~+17% rated output voltage
Overload protection	Range	105%~135%
	Type	Constant current limiting, auto-recovery
Over voltage protection	Range	115%~140%
	Type	Shutdown output voltage, re-power on to recover
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC	
Working temperature	-20°C ~ +60°C (refer to output derating curve)	-20°C ~ +70°C (refer to output derating curve)
Safety standards	UL62368-1, TUV EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS62368.1 approved	
EMC standards	EN55032 class B, EN61000-3-2, 3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020, BSMI CNS13438	
Connection	7 + 8P/ 9.5mm pitch terminal block with cover	
Size (LxWxH), Weight	170x120x93mm, 1.9kg	

600W		PSP-600		
Model No.	Output	Tol.	R&N	Eff.
PSP-600-5	5V, 0~80.0A	$\pm 2\%$	180mV	79%
PSP-600-12	12V, 0~50.0A	$\pm 1\%$	240mV	84%
PSP-600-13.5	13.5V, 0~44.5A	$\pm 1\%$	240mV	85%
PSP-600-15	15V, 0~40.0A	$\pm 1\%$	240mV	85%
PSP-600-24	24V, 0~25.0A	$\pm 1\%$	240mV	86%
PSP-600-27	27V, 0~22.2A	$\pm 1\%$	240mV	86%
PSP-600-48	48V, 0~12.5A	$\pm 1\%$	300mV	87%

1000W		PSPA-1000		
Model No.	Output	Tol.	R&N	Eff.
PSPA-1000-12	12V, 0~80A	$\pm 2\%$	150mV	92.0%
PSPA-1000-15	15V, 0~64A	$\pm 1.5\%$	150mV	93.0%
PSPA-1000-24	24V, 0~42A	$\pm 1\%$	200mV	93.5%
PSPA-1000-48	48V, 0~21A	$\pm 1\%$	250mV	94.0%

UHP-750/1000/1500 Series

750W, 1000W, 1500W Slim Power Supply

Now Available!

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Fanless design, cooling by free air convection
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Built-in active PFC function
- DC OK relay output included
- 1U low profile (41mm)
- Design refer to IEC/EN/UL62368-1
- Output models: 12V, 24V, 36V, 48V
- Dimensions: 237x100x41mm (UHP-750)
240x115x41mm (1000), 290x140x41mm (1500)
- **5 year warranty**, 3 year warranty (UHP-750)
- Remote on/off, programmable PV, PC (UHP-1000/1500)

UHP-2500, 2500W unit now available!

Parallel Operation with Remote Sensing

The PSP/PSPA series has a built-in active sharing function and can be connected in parallel, up to 4 units, to provide higher output power as illustrated opposite.

Please note that only the same type of power supply can be used in parallel. See the data sheet/ function manual for more information.

