

### 320W Low Profile with PFC

**UL/CUL/TUV/CCC/CB/CE pending**



- 1U low profile: 31mm
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Built-in fan speed control
- Optional conformal coating (RSP-320-□CC)
- 3 years warranty

AC input voltage range ..... 88~264VAC; 124~370VDC  
 AC inrush current ..... Cold start, 40A at 230VAC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 105%~135% hiccup mode, auto-recovery  
 Over voltage protection ..... 115%~145% rated output voltage  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -30~+70°C (refer to output derating curve)  
 Safety standards ..... Design refer to UL60950-1, TUV EN60950-1, CCC GB4943  
 EMC standards ..... Design refer to EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, GB9254

| Model No.    | Output         | Tol. | R&N   | Effi. |
|--------------|----------------|------|-------|-------|
| RSP-320-2.5  | 2.5V, 0~60A    | ±2%  | 100mV | 76%   |
| RSP-320-3.3  | 3.3V, 0~60A    | ±2%  | 100mV | 80%   |
| RSP-320-4    | 4V, 0~60A      | ±2%  | 100mV | 81%   |
| RSP-320-5    | 5V, 0~60A      | ±2%  | 150mV | 82%   |
| RSP-320-7.5  | 7.5V, 0~40A    | ±2%  | 150mV | 84%   |
| RSP-320-12   | 12V, 0~26.7A   | ±1%  | 150mV | 87%   |
| RSP-320-13.5 | 13.5V, 0~23.8A | ±1%  | 150mV | 87%   |
| RSP-320-15   | 15V, 0~21.4A   | ±1%  | 150mV | 87%   |
| RSP-320-24   | 24V, 0~13.4A   | ±1%  | 150mV | 88%   |
| RSP-320-27   | 27V, 0~11.9A   | ±1%  | 200mV | 89%   |
| RSP-320-36   | 36V, 0~8.9A    | ±1%  | 220mV | 89%   |
| RSP-320-48   | 48V, 0~6.7A    | ±1%  | 240mV | 90%   |

### 750W Low Profile with PFC

**UL/CUL/TUV/CB/CE pending**



- 1U low profile: 41mm
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp. / Fan alarm
- High power density 9.5W/inch<sup>3</sup>
- Output voltage can be trimmed between 40~110% of the rated output voltage
- Output OLP can be trimmed between 40~110% of the rated output current
- DC OK signal
- Built-in remote sense and ON/OFF control
- Built-in 12V/0.1A auxiliary power
- 3 years warranty

AC input voltage range ..... 90~264VAC; 127~370VDC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 105%~125% constant current, auto-recovery  
 Over voltage protection ..... 115%~140% rated output voltage  
 Setup, rise, hold up time ..... 1000ms, 50ms, 16ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -30~+70°C (refer to output derating curve)  
 Safety standards ..... Design refer to UL60950-1, TUV EN60950-1  
 EMC standards ..... Design refer to EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2

| Model No.  | Output       | Tol. | R&N   | Effi. |
|------------|--------------|------|-------|-------|
| RSP-750-5  | 5V, 0~100A   | ±2%  | 150mV | 84%   |
| RSP-750-12 | 12V, 0~62.5A | ±1%  | 150mV | 84%   |
| RSP-750-15 | 15V, 0~50A   | ±1%  | 150mV | 86%   |
| RSP-750-24 | 24V, 0~31.3A | ±1%  | 150mV | 88%   |
| RSP-750-27 | 27V, 0~27.8A | ±1%  | 150mV | 88%   |
| RSP-750-48 | 48V, 0~15.7A | ±1%  | 150mV | 90%   |

### 600W with PFC and Parallel Function

**Parallel PFC c UL us CBCE**



- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Forced air cooling by built-in DC fan
- Built-in remote sense and ON/OFF control
- With DC OK signal output
- Current sharing up to 2400W (3+1)
- 3 years warranty

CASE: 910A 170x 120x 93 mm  
 AC input voltage range ..... 88~264VAC; 124~370VDC  
 AC inrush current ..... Cold start, 20A at 115VAC, 40A at 230VAC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 105%~135% constant current, auto-recovery  
 Over voltage protection ..... 115%~140% rated output voltage  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -20~+60°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved  
 EMC standards ..... EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11  
 Connection ..... 7+8P/ 9.5mm pitch terminal block with cover  
 Packing ..... 1.9kg ; 8pcs / 15.5kg / 1.06CUFT

| Model No.    | Output         | Tol. | R&N   | Effi. |
|--------------|----------------|------|-------|-------|
| PSP-600-5    | 5V, 0~80A      | ±2%  | 180mV | 79%   |
| PSP-600-12   | 12V, 0~50A     | ±1%  | 240mV | 84%   |
| PSP-600-13.5 | 13.5V, 0~44.5A | ±1%  | 240mV | 85%   |
| PSP-600-15   | 15V, 0~40A     | ±1%  | 240mV | 85%   |
| PSP-600-24   | 24V, 0~25A     | ±1%  | 240mV | 86%   |
| PSP-600-27   | 27V, 0~22.2A   | ±1%  | 240mV | 86%   |
| PSP-600-48   | 48V, 0~12.5A   | ±1%  | 300mV | 87%   |

### 1000W Low Profile with PFC & Parallel

**Parallel PFC c UL us CBCE**



- 1U low profile: 41mm
- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- High power density 10.7W/inch<sup>3</sup>
- Output voltage can be trimmed between 40~110% of the rated output voltage
- Current sharing up to 4000W (3+1)
- DC OK signal
- Built-in remote sense and ON/OFF control
- Built-in 5V/0.5A auxiliary power
- 3 years warranty

CASE: 952B 295x 127x 41 mm  
 AC input voltage range ..... 90~264VAC; 127~370VDC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 105%~125% constant current, auto-recovery  
 Over voltage protection ..... 115%~135% rated output voltage  
 Setup, rise, hold up time ..... 300ms, 50ms, 16ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -20~+60°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved  
 EMC standards ..... EN55022 Class B conducted, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2  
 Packing ..... 1.95kg ; 6pcs / 12.7kg / 1.15CUFT

| Model No.   | Output     | Tol. | R&N   | Effi. |
|-------------|------------|------|-------|-------|
| RSP-1000-12 | 12V, 0~60A | ±1%  | 150mV | 83%   |
| RSP-1000-15 | 15V, 0~50A | ±1%  | 150mV | 85%   |
| RSP-1000-24 | 24V, 0~40A | ±1%  | 150mV | 88%   |
| RSP-1000-27 | 27V, 0~37A | ±1%  | 150mV | 88%   |
| RSP-1000-48 | 48V, 0~21A | ±1%  | 150mV | 90%   |

### 1500W with PFC and Parallel Function



- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Using ZVS technology to reduce power dissipation
- High power density 8.3W/inch<sup>3</sup>
- Built-in 12V / 0.1A auxiliary output
- Alarm signal output
- DC output voltage adjustment 70~100% by external resistor
- Active current sharing up to 6000W (3+1)
- Built-in remote sense function
- Built-in remote ON/OFF control
- Forced air cooling by built-in DC fan
- 3 years warranty

AC input voltage range ..... 90~264VAC; 127~370VDC  
 DC adjustment range ..... -30~+10% rated output voltage  
 Overload protection ..... 105%~135% constant current limiting, shut off after 5 sec.  
 Over voltage protection ..... 115%~140% rated output voltage  
 Setup, rise, hold up time .... 1500ms, 100ms, 10ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -20~+70°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved  
 EMC standards ..... EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11  
 Packing ..... 3.0kg ; 4pcs / 13kg / 1.19CUFT

| Model No.   | Output      | Tol. | R&N   | Effi. |
|-------------|-------------|------|-------|-------|
| RSP-1500-5  | 5V, 0~240A  | ±2%  | 150mV | 80%   |
| RSP-1500-12 | 12V, 0~125A | ±1%  | 150mV | 87%   |
| RSP-1500-15 | 15V, 0~100A | ±1%  | 150mV | 87%   |
| RSP-1500-24 | 24V, 0~63A  | ±1%  | 150mV | 90%   |
| RSP-1500-27 | 27V, 0~56A  | ±1%  | 150mV | 90%   |
| RSP-1500-48 | 48V, 0~32A  | ±1%  | 200mV | 91%   |

### 2000W Low Profile with PFC & Parallel



- Universal AC input / Full range
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Forced air cooling by built-in DC fan
- Output voltage can be trimmed between 40~115% of the rated output voltage
- High power density 21.4W/inch<sup>3</sup>
- Built-in 12V/0.8A & 5V/0.3A auxiliary output
- Current sharing up to 8000W(3+1)
- Alarm signal output
- Built-in remote sense and ON/OFF control
- 1U low profile: 41mm
- 3 years warranty

AC input voltage range ..... 90~264VAC; 127~370VDC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 105%~125% constant current limiting, shut off after 5 sec., re-power on to recover  
 Over voltage protection ..... 120%~145% rated output voltage  
 Setup, rise, hold up time .... 1500ms, 60ms, 10ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -35~+70°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved  
 EMC standards ..... EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11  
 Packing ..... 1.95kg ; 6pcs / 12.7kg / 1.15CUFT

| Model No.   | Output      | Tol. | R&N   | Effi. |
|-------------|-------------|------|-------|-------|
| RSP-2000-12 | 12V, 0~100A | ±2%  | 150mV | 87.0% |
| RSP-2000-24 | 24V, 0~80A  | ±1%  | 200mV | 90.5% |
| RSP-2000-48 | 48V, 0~42A  | ±1%  | 300mV | 92.0% |

### 2400W with PFC and Parallel Function



- AC input 180~264VAC only
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature / Fan alarm
- Forced air cooling by built-in DC with fan speed control function
- Output voltage can be trimmed between 20~110% of the rated output voltage
- High power density 12.5W/inch<sup>3</sup>
- Current sharing up to 3 units
- Alarm signal output (TTL signal & relay contact)
- Built-in 12V/0.1A auxiliary output
- Built-in remote ON/OFF control
- Built-in remote sense function
- 3 years warranty

AC input voltage range ..... 180~264VAC; 254~370VDC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 100%~112% constant current limiting, shut off after 5 sec., re-power on to recover (can adjust to continuous constant current limiting)  
 Over voltage protection ..... 115%~140% rated output voltage  
 Setup, rise, hold up time .... 1000ms, 80ms, 12ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -20~+70°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved  
 EMC standards ..... EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11

| Model No.   | Output        | Tol. | R&N   | Effi. |
|-------------|---------------|------|-------|-------|
| RSP-2400-12 | 12V, 0~166.7A | ±1%  | 150mV | 87.0% |
| RSP-2400-24 | 24V, 0~100A   | ±1%  | 150mV | 90.0% |
| RSP-2400-48 | 48V, 0~50A    | ±1%  | 200mV | 91.5% |

### 3000W with PFC and Parallel Function



- AC input 180~264VAC only
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage / Over temperature / Fan alarm
- Forced air cooling by built-in DC with fan speed control function
- Output voltage can be trimmed between 20~110% of the rated output voltage
- High power density 15.6W/inch<sup>3</sup>
- Current sharing up to 3 units
- Alarm signal output (TTL signal & relay contact)
- Built-in 12V/0.1A auxiliary output
- Built-in remote ON/OFF control
- Built-in remote sense function
- 3 years warranty

AC input voltage range ..... 180~264VAC; 254~370VDC  
 DC adjustment range ..... ±10% rated output voltage  
 Overload protection ..... 100%~112% constant current limiting, shut off after 5 sec., re-power on to recover (can adjust to continuous constant current limiting)  
 Over voltage protection ..... 115%~140% rated output voltage  
 Setup, rise, hold up time .... 1000ms, 80ms, 10ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1 minute  
 Working temperature ..... -20~+70°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved  
 EMC standards ..... EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11

| Model No.   | Output       | Tol. | R&N   | Effi. |
|-------------|--------------|------|-------|-------|
| RSP-3000-12 | 12V, 0~200A  | ±1%  | 150mV | 86.0% |
| RSP-3000-24 | 24V, 0~125A  | ±1%  | 150mV | 90.0% |
| RSP-3000-48 | 48V, 0~62.5A | ±1%  | 200mV | 90.5% |