

### Features

- **Single output with battery charger (UPS function)**
- Universal AC input / Full range
- PCB and enclosed type with metal case available
- Compact size
- Built-in active PFC function (PSC-160)
- Protection: short circuit / Overload / Over voltage
- Battery low protection / Battery reverse polarity protection by fuse
- Alarm signal for AC OK and battery low
- Cooling by free air convection
- 100% full load, burn-in test
- **2 year warranty**

### General Specifications (Please refer to [www.procontechology.com.au](http://www.procontechology.com.au) for detailed specs)



Model No.	PSC-35 <input type="checkbox"/>	PSC-60 <input type="checkbox"/>	PSC-100 <input type="checkbox"/>	PSC-160 <input type="checkbox"/>	
AC input voltage range	90~264VAC; 127~370VDC				
AC inrush current (max.)	Cold start, 40A at 230VAC	60A at 230VAC	70A at 230VAC		
DC adjustment range	<b>A</b> = CH1, 13.8V: 12~15V; <b>B</b> = CH1, 27.6V: 24~29V				
Overload protection	105~150% hiccup mode, auto-recovery				
Over voltage protection	CH1, 105~135%, shut off, re-power on to recover	CH1, 105~135%, hiccup mode, auto recovery	CH1, 105~135%, shut off, re-power on to recover		
Withstand voltage	I/P- O/P: 3kVAC, I/P- FG: 2kVAC O/P- FG: 0.5kVAC				
Working temperature	-30°C ~ +70°C		-20°C ~ +70°C (refer to output derating curve)		
Safety standards	UL60950-1, TUV EN60950-1, EAC TP TC 004 approved				
EMC standards	EN55032 (CISPR32) class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020				
Connection	3 + 6P/3.96mm pitch, JST: B3P/ B6P-VH		3 + 8P/3.96mm pitch, 4P/2.5mm pitch, JST: B3P / B8P-VH, B4B-XH		
Dimensions (LxWxH)	PCB Type	84.6x50.8x24mm	101.6x50.8x29mm	127x76.2x31mm	152.4x76.2x32mm
	Enclosed Type	86.4x59.6x30mm	103.4x62x37mm	130x85x37mm	155.4x85x37mm

### PSC-35 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
PSC-35A <input type="checkbox"/>	13.8V, 0~2.6A	±1%	120mV	84%	36W
	13.8V, 0~0.9A (Charger)				
PSC-35B <input type="checkbox"/>	27.6V, 0~1.3A	±1%	240mV	86%	36W
	27.6V, 0~0.45A (Charger)				

= blank, -C; Blank: PCB Type, -C: Enclosed Type

### PSC-100 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
PSC-100A <input type="checkbox"/>	13.8V, 0~7.0A	±1%	100mV	86%	100W
	13.8V, 0~2.5A (Charger)				
PSC-100B <input type="checkbox"/>	27.6V, 0~3.50A	±1%	100mV	88%	101W
	27.6V, 0~1.25A (Charger)				

= blank, -C; Blank: PCB Type, -C: Enclosed Type

### PSC-60 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
PSC-60A <input type="checkbox"/>	13.8V, 0~4.3A	±1%	120mV	84%	59W
	13.8V, 0~1.50A (Charger)				
PSC-60B <input type="checkbox"/>	27.6V, 0~2.15A	±1%	240mV	84%	59W
	27.6V, 0~0.75A (Charger)				

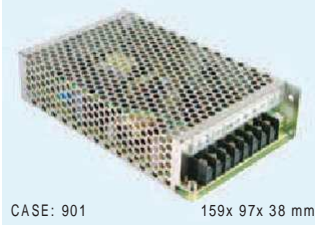
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### PSC-160 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
PSC-160A <input type="checkbox"/>	13.8V, 0~11.6A	±1%	150mV	88%	160W
	13.8V, 0~4A (Charger)				
PSC-160B <input type="checkbox"/>	27.6V, 0~5.8A	±1%	240mV	90%	160W
	27.6V, 0~2A (Charger)				

= blank, -C; Blank: PCB Type, -C: Enclosed Type

## 55W 1~2 Output with Battery Charger



- Universal AC input / Full range
- Protection: Short circuit / Overload / Over voltage
- Battery low protection (except for ADS series)
- DC alarm signal (optional)
- Cooling by free air convection
- Fixed switching frequency at 45kHz
- Approvals: UL / CUL / TUV / CB / CE
- 100% full load burn-in test
- **2 year warranty**

AC input voltage range ..... 88~264VAC; 124~370VDC  
 AC inrush current ..... Cold start, 20A at 115VAC, 40A at 230VAC  
 DC adjustment range ..... 12V, 24V:  $\pm 10\%$   
 13.8V: 12~14.5V; 27.6V: 24~29V  
 Overload protection ..... 105~150% hiccup mode, auto-recovery  
 Over voltage protection ..... CH1: 105~135% rated output voltage  
 Setup, rise, hold up time ..... 800ms, 50ms, 80ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P: 3kVAC, I/P-FG: 2kVAC  
 Working temperature .....  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$  (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1, EAC approved  
 EMC standards ..... EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC  
 Connection ..... 8P/ 8.25mm pitch terminal block  
 Weight ..... 0.57kg

### Single Output with 5V, 4A DC-DC Converter

Model No.	Output	Tol.	R&N	Eff.	Max.
ADS-5512	12V, 0~4.0A	$\pm 1\%$	100mV	76%	51W
	5V, 0~4.0A	$\pm 3\%$	100mV		
ADS-5524	24V, 0~2.5A	$\pm 1\%$	100mV	79%	58W
	5V, 0~4.0A	$\pm 3\%$	100mV		

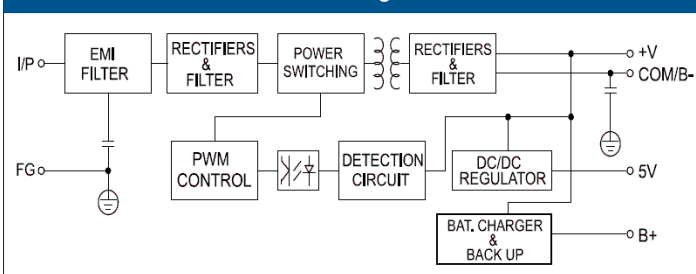
### Single Output with Battery Charger (UPS Function)

Model No.	Output	Tol.	R&N	Eff.	Max.
AD-55A	13.8V, 0~4.0A	$\pm 1\%$	100mV	71%	51W
	13.4V, 0~0.23A	(Charger)			
AD-55B	27.6V, 0~2.0A	$\pm 1\%$	100mV	74%	54W
	26.5V, 0~0.16A	(Charger)			

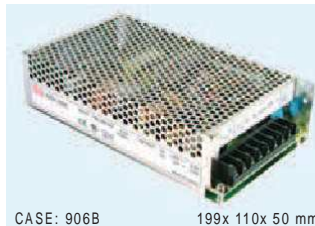
### Dual Output with Battery Charger (UPS Function)

Model No.	Output	Tol.	R&N	Eff.	Max.
ADD-55A	13.8V, 0~3.50A	$\pm 1\%$	100mV	71%	53W
	5V, 0~4.00A	$\pm 3\%$	100mV		
	13.4V, 0~0.23A	(Charger)			
ADD-55B	27.6V, 0~2.00A	$\pm 1\%$	150mV	74%	55W
	5V, 0~4.00A	$\pm 3\%$	150mV		
	26.5V, 0~0.16A	(Charger)			

## Block Diagram



## 155W 1~2 Output with Battery Charger and PFC Function



- Universal AC input / Full range
- $\text{PF} > 0.92 @ 230\text{VAC}$  at full load
- Protection: Short circuit / Overload / Over voltage
- Battery low protection (except for ADS series)
- Cooling by free air convection
- Fixed switching frequency at 134kHz
- Approvals: UL / CUL / TUV / CB / CE
- 100% full load burn-in test
- **2 year warranty**

AC input voltage range ..... 88~264VAC; 124~370VDC  
 AC inrush current ..... Cold start, 20A at 115VAC, 40A at 230VAC  
 DC adjustment range ..... 12V, 24V, 48V:  $\pm 10\%$   
 13.8V: 12~14.5V; 27.6V: 24~29V; 54V: 48~58V  
 Overload protection ..... CH1, CH2: 105~135%, charger: 0.51~0.9A; constant current limiting, auto-recovery  
 Over voltage protection ..... CH1: 115~135% rated output voltage  
 Setup, rise, hold up time ... 1000ms, 90ms, 24ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P: 3kVAC, I/P-FG: 2kVAC  
 Working temperature .....  $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$  (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1, EAC approved  
 EMC standards ..... EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020  
 Connection ..... 8P/ 9.5mm pitch terminal block  
 Weight ..... 1.0kg

### Single Output with 5V, 3A DC-DC Converter

Model No.	Output	Tol.	R&N	Eff.	Max.
ADS-15512*	12V, 0~12.5A	$\pm 2\%$	150mV	77%	153W
	5V, 0~3.00A	$\pm 3\%$	100mV		
ADS-15524*	24V, 0~6.50A	$\pm 1\%$	150mV	82%	154W
	5V, 0~3.00A	$\pm 3\%$	100mV		
ADS-15548*	48V, 0~3.20A	$\pm 1\%$	240mV	82%	154W
	5V, 0~3.00A	$\pm 5\%$	100mV		

\*Possible drop-in replacement for S-150-12, S-150-24, S-150-48 power supply

### Single Output with Battery Charger (UPS Function)

Model No.	Output	Tol.	R&N	Eff.	Max.
AD-155A*	13.8V, 0~11.5A	$\pm 2\%$	150mV	80%	152W
	13.3V, 0~0.50A	(Charger)			
AD-155B*	27.6V, 0~5.50A	$\pm 1\%$	150mV	84%	152W
	27.1V, 0~0.50A	(Charger)			
AD-155C	54.0V, 0~2.70A	$\pm 1\%$	240mV	84%	157W
	53.5V, 0~0.50A	(Charger)			

\*Possible drop-in replacement for S-150-13.5, S-150-27 power supply

### Dual Output with Battery Charger (UPS Function)

Model No.	Output	Tol.	R&N	Eff.	Max.
ADD-155A	13.8V, 0~10.5A	$\pm 1\%$	150mV	78%	153W
	5V, 0~3.00A	$\pm 3\%$	100mV		
	13.3V, 0~0.50A	(Charger)			
ADD-155B	27.6V, 0~5.00A	$\pm 1\%$	200mV	81%	153W
	5V, 0~3.00A	$\pm 3\%$	100mV		
	27.1V, 0~0.50A	(Charger)			
ADD-155C	54.0V, 0~2.50A	$\pm 1\%$	240mV	81%	150W
	5V, 0~3.00A	$\pm 5\%$	100mV		
	53.5V, 0~0.20A	(Charger)			

# Security Series / ATX Power



## 40W~100W Single Output with Battery Charger (UPS function)

- Universal AC input / Full range
- Can be installed on DIN rail TS-35/7.5 or 15
- Protection: Short circuit / Overload / Over voltage / Battery low protection / Battery reverse polarity protection by fuse
- Alarm signal for AC OK and battery low
- Cooling by free air convection
- Pass LPS (DRC-40/60)
- LED indicator for power on
- 100% full load burn-in test
- **3 year warranty**



AC input voltage range ..... 90~264VAC; 127~370VDC  
 AC inrush current ..... Cold start, 30A at 115VAC, 60A at 230VAC  
 DC adjustment range ..... CH1: **13.8V**:12~15V; **27.6V**:24~30V  
 Overload protection ..... 105~150% hiccup mode, auto-recovery Over voltage protection ..... 105~135% rated output voltage  
 Setup, rise, hold up time ..... 400ms, 50ms, 50ms at full load & 230VAC (DRC-40/60); 2400ms, 50ms, 50ms at full load & 230VAC (DRC-100)  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:2kVAC  
 Working temperature ..... -30°C ~ +70°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1, EAC TP TC 004 approved  
 EMC standards ..... EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC  
 Connection ..... I/P: 3 pole, O/P: 8 pole screw terminals (DRC-40/60); I/P:3 pole, O/P: 10 pole screw DIN terminal (DRC-100)

Model No.	Output	Tol.	R&N	Eff.	Max.
DRC-40A	13.8V, 0~2.9A	±1%	120mV	86%	40W
	13.8V, 0~1.0A (Charger)				
DRC-40B	27.6V, 0~1.45A	±1%	200mV	87%	40W
	27.6V, 0~0.5A (Charger)				

### ◆ DRC-60 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
DRC-60A	13.8V, 0~4.3A	±1%	120mV	86%	59W
	13.8V, 0~1.5A (Charger)				
DRC-60B	27.6V, 0~2.15A	±1%	200mV	88%	59W
	27.6V, 0~0.75A (Charger)				

### ◆ DRC-100 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
DRC-100A	13.8V, 0~7A	±1%	120mV	86%	97W
	13.8V, 0~2.5A (Charger)				
DRC-100B	27.6V, 0~3.5A	±1%	240mV	88%	97W
	27.6V, 0~1.25A (Charger)				

## 35W~75W Single Output with Battery Charger (UPS function)

- Universal AC input / Full range
- Protection: Short circuit / Overload / Over voltage / Battery reverse polarity protection by fuse
- Cooling by free air convection
- **No load power consumption <0.75W**
- Suitable for installation in metallic or non-metallic system enclosure
- Temperature compensation function
- LED indicator for power on
- **2 year warranty**



AC input voltage range ..... 85~264VAC; 120~370VDC  
 DC adjustment range ..... 95~115% rated output voltage  
 Overload protection ..... 120~165%, hiccup mode, auto-recovery Over voltage protection ..... 120~140%, rated output voltage  
 Setup, rise, hold up time ..... 500ms, 30ms, 50ms at full load and 230VAC  
 Withstand voltage ..... I/P-O/P:3kVAC, I/P-FG:1.5kVAC, 1minute  
 Working temperature ..... -20°C ~ +60°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, EAC TP TC 004 approved  
 EMC standards ..... EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11  
 Connection ..... I/P: 3 pole, O/P: 2 pole screw terminals

### ◆ SCP-35 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
SCP-35-12	13.8V, 0~2.6A	±2%	120mV	83%	36W
SCP-35-24	27.6V, 0~1.4A	±1%	200mV	86%	39W

### ◆ SCP-50 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
SCP-50-12	13.8V, 0~3.6A	±2%	120mV	81%	50W
SCP-50-24	27.6V, 0~1.8A	±1%	200mV	85%	50W

### ◆ SCP-75 Series

Model No.	Output	Tol.	R&N	Eff.	Max.
SCP-75-12	13.8V, 0~5.4A	±2%	120mV	81%	75W
SCP-75-24	27.6V, 0~2.7A	±1%	200mV	85%	75W

## 250W~300W Industrial ATX PC Power Supply



- Universal AC input / Full range
- Low profile for 1U/2U rack system
- Built-in active PFC function
- Protections: Short circuit / Overload / Over voltage
- With power good and fail signal output
- Forced air cooling by built-in DC fan
- PS-ON signal input
- **2 year warranty**

Hold up time ..... 16ms min. at full load and 115VAC  
 Overload protection ..... 105~150% shut off, AC recycle to re-start  
 Over voltage protection ..... 110~140% rated output voltage for CH1~CH3  
 Withstand voltage ..... I/P-O/P:1.5kVAC, I/P-FG:2kVAC  
 Working temperature ..... -10°C ~ +60°C (refer to output derating curve)  
 Safety standards ..... UL60950-1, TUV EN60950-1 approved + EAC  
 EMC standards ..... EN55032 class B, EN61000-3-2,-3, EN61000-4-2,3,4,5,6,8,11

Model No.	Output	Tol.	R&N	Eff.	Max.
IPC-250	3.3V, 0~20A	±5%	50mV	75%	250W
	5V, 1~25A	±5%	50mV		
	12V, 1~15A	±7%	120mV		
	-5V, 0~0.5A	±8%	100mV		
IPC-300A	-12V, 0.1~1.0A	±10%	120mV	75%	300W
	5VSB, 0~2.0A	±5%	50mV		
	3.3V, 0~20A	±5%	50mV		
	5V, 1~30A	±5%	50mV		
IPC-300B	12V, 1~18A	±7%	120mV	80%	300W
	-5V, 0~0.5A	±8%	100mV		
	-12V, 0.1~1.0A	±10%	120mV		
	5VSB, 0~2.0A	±5%	50mV		
	24V, 0~3.0A	±5%	240mV		
	5V, 1~30A	±5%	50mV		
	12V, 1~18A	±7%	120mV		
	-5V, 0~0.5A	±8%	100mV		
-12V, 0.1~1.0A	±10%	120mV			
5VSB, 0~2.0A	±5%	50mV			

**IPC-250 still available from stock, however the IPC-300 is recommended for new designs!**