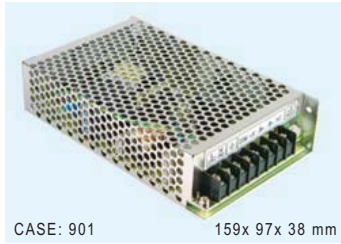


## 55W 1~2 Output with Battery Charger



- Universal AC input / Full range
- Protections: 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 years 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:1.5kVAC, 1minute
Working temperature .....	-10~60°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, ENV50204
Connection .....	8P/ 8.25mm pitch terminal block
Packing .....	0.57kg ; 24pcs / 13.7kg / 0.75CUFT

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

Model No.	Output	Tol.	R&N	Effi.	Max.
ADS-5512	12V, 0~4.0A	$\pm 1\%$	100mV	74%	51W
	5V, 0~4.0A	$\pm 3\%$	100mV		
ADS-5524	24V, 0~2.5A	$\pm 1\%$	100mV	74%	58W
	5V, 0~4.0A	$\pm 3\%$	100mV		

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

Model No.	Output	Tol.	R&N	Effi.	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	Effi.	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

