

ADS/AD/ADD-55

S E R I E S

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55W, 1 ~ 2 Outputs & Add Battery Charger

FEATURES

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

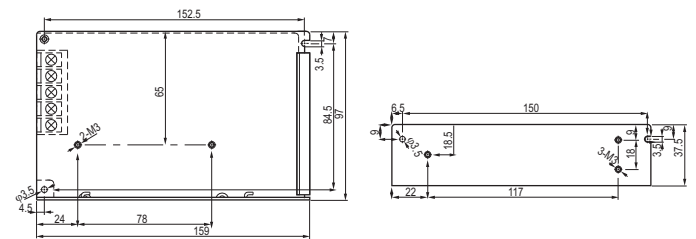


SPECIFICATIONS

Input voltage..... 88~264VAC; 124~370VDC
 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
 O.L.P..... 105%~150% hiccup mode, auto-recovery
 O.V.P..... CH1: 105~135% rated output voltage
 Setup, rise, hold up time..... 800ms, 50ms, 80ms
 at full load & 230VAC
 Withstand voltage..... I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, 1 minute
 Working temp..... -10~+60°C (refer to output derating curve)
 Safety standard..... UL60950-1, TUV EN60950-1 approved
 EMC standard..... EN55022 class B
 EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11
 Connection..... 8P/8.25mm pitch terminal block
 Weight/packing..... 0.57kgs; 24pcs/13.7kgs/0.75CUFT

Model Number	Output Voltage/Current	Total Reg. (%)	R & N (mV)	Eff. (%)	Output Power Max.
Single output with 5V/4A DC-DC Converter					
ADS-5512	12VDC/0-4.0A	± 1	100	76	51W
ADS-5524	5VDC/0-4.0A	± 3	100	79	58W
	24VDC/0-2.5A	± 1	100		
	5VDC/0-4.0A	± 3	100		
Single output with Battery Charger (UPS Function)					
AD-55A	13.8VDC/0-4.0A	± 1	100	71	51W
AD-55B	13.4VDC/0-0.23A	(Charger)	100	74	54W
	27.6VDC/0-2.0A	± 1			
	26.5VDC/0-0.16A	(Charger)			
Dual output with Battery Charger (UPS Function)					
ADD-55A	13.8VDC/0-3.5A	± 1	100	71	53W
ADD-55B	5VDC/0-4.0A	± 3	100	74	55W
	13.4VDC/0-0.23A	(Charger)			
	27.6VDC/0-2.0A	± 1	150		
	5VDC/0-4.0A	± 3	150		
	26.5VDC/0-0.16A	(Charger)			

MECHANICAL DRAWING (Unit: mm)



ADS/AD/ADD-155

S E R I E S

155W, 1 ~ 2 Outputs with PFC & Add Battery Charger

FEATURES

- Universal AC input / Full range
- Battery low protection (except for ADS series)
- Cooling by free air convection
- Fixed switching frequency at 134KHz
- 100% full load burn-in test
- PF > 0.92 @ 230VAC and full load
- Short circuit/OLP/OVP protection
- Approvals: UL/CUL/TUV/CB/CE / ♦ 2 years warranty



SPECIFICATIONS

Input voltage..... 88~264VAC; 124~370VDC
 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
 O.L.P..... CH1, 2: 105%~135% Charger: 0.51~0.9A;
 constant current limiting, auto-recovery
 O.V.P..... CH1: 115~135% rated output voltage
 Setup, rise, hold up time..... 1000ms, 90ms, 24ms
 at full load & 230VAC
 Withstand voltage..... I/P-O/P: 3kVAC, I/P-FG: 1.5kVAC, 1 minute
 Working temp..... -10~+60°C (refer to output derating curve)
 Safety standard..... UL60950-1, TUV EN60950-1 approved
 EMC standard..... EN55022 class B, EN61000-3-2, 3
 EN61000-4-2, 3, 4, 5, 6, 8, 11
 Connection..... 8P/9.5mm pitch terminal block
 Weight/packing..... 1.0kgs; 16pcs/16.0kgs/0.95CUFT



Model Number	Output Voltage/Current	Total Reg. (%)	R & N (mV)	Eff. (%)	Output Power Max
Single output with 5V/3A DC-DC Converter					
ADS-15512	12VDC/0-12.5A	± 2	150	77	153W
	5VDC/0-3.0A	± 3	100		
ADS-15524	24VDC/0-6.5A	± 1	150	82	154W
	5VDC/0-3.0A	± 3	100		
ADS-15548	48VDC/0-3.2A	± 1	240	82	154W
	5VDC/0-3.0A	± 5	100		
Single output with Battery Charger (UPS Function)					
AD-155A	13.8VDC/0-11.5A	± 2	150	80	152W
AD-155B	13.3VDC/0-0.5A	(Charger)	150	84	152W
	27.6VDC/0-5.5A	± 1			
AD-155C	27.1VDC/0-0.5A	(Charger)	240	84	157W
	54VDC/0-2.7A	± 1			
	53.5VDC/0-0.5A	(Charger)			
Dual output with Battery Charger (UPS Function)					
ADD-155A	13.8VDC/0-10.5A	± 1	150	78	153W
	5VDC/0-3.0A	± 3	100		
ADD-155B	13.3VDC/0-0.5A	(Charger)	200	81	153W
	27.6VDC/0-5.0A	± 1			
ADD-155C	5VDC/0-3.0A	± 3	100	81	150W
	27.1VDC/0-0.5A	(Charger)	240		
	54.0VDC/0-2.5A	± 1		100	
	5VDC/0-3.0A	± 5			
	53.5VDC/0-0.2A	(Charger)			

MECHANICAL DRAWING (Unit: mm)

