

SD1 Series

25 W DC-UPS with Cabinet

CoolPower
Solutions

- Charging unit 25W
- Output voltage: 12V (13.6V) or 24V (27.2V)
- Intelligent battery protection
- Multi alarm output
- Automatic battery test



Technical specifications	SD1-1225	SD1-2425
Input voltage:	85 – 264V AC, 47-63Hz	
Output voltage:	13,6 VDC	27,2 VDC
Output voltage limit:	16V + - 6%	33V + - 6%
Output current:	1,5 A	0,75 A
Output current limit	105% to 150% of max value.	
Max. Continual Load:	56% of output current with batteries in circuit	
Efficiency:	85%	
Peak inrush current:	< 2A within 10ms	
Operating temperature:	-10°C to +35°C	
Storage temperature:	-40°C to +85°C	
Load regulation:	0.5% for 0 to 100% load change	
Line regulation:	0.2% for specified input voltage variation at 50% output power	
Switch frequency:	50 kHz	
Output ripple:	1% of Vout	
MTBF:	Min. 250.000h at 25°C	
Safety standard:	EN 60950, UL 60950-1, IEC/EN 60950-1 2 nd edition	
Safety class:	I (With earth protection)	
Emission standards:	EN50081-1	
Immunity standards:	EN50082-1	
Harmonic emission:	EN61000-3-2 , class A	
Power Factor Correction:	Yes	
Battery surveillance:	Automatic battery test every 24 hour (replacement notice after 3 years)	
Dimensions:	211x200x77 mm	
Weight:	1,4 kg (without battery)	
Mounting method:	Wall Mount Cabinet	
IP class:	IP20	
Terminals:	Terminal Blocks	
Battery connection:	2x0.75 mm ² RD/BK WIRE	
Max. Battery Capacity:	1x7,2Ah (9Ah)	2x2,3Ah

