

# SD2 Series

## 120 W DC-UPS with Cabinet

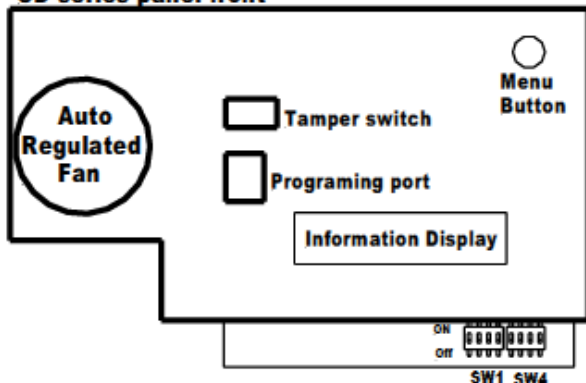
CoolPower  
Solutions

- Charging unit 120W
- Output voltage: 12V (13.6V) or 24V (27.2V)
- Intelligent battery protection
- Multi alarm output with variable delay
- Automatic battery test



<b>Technical specifications</b>	<b>SD2-12120</b>	<b>SD2-24120</b>
Input voltage:	190 – 264V AC, 48-63Hz	
Output voltage:	13,6 VDC	27,2 VDC
Output voltage limit:	16V + - 6%	33V + - 6%
Output current:	8,0 A	4,0 A
Output current limit_	100% to 130% of max value.	
Max. Contiuual Load:	60% of output current with batteries(18Ah) in circuit	
Efficiency:	85% minimum at maximum load	
Peak inrush current:	< 20A 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:	40-50 kHz at maximum load	
Output ripple:	100mVp-p maximum at maximum load	
MTBF:	Min. 100.000h at 25°C	
Safety standard:	EN 60950	
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:	354x395x116 mm	
Weight:	6,3 kg (without battery)	
Mounting method:	Wall Mount Cabinet	
IP class:	IP20	
Terminals:	Terminal Blocks (Rating 20A)	
Battery connection:	2x1.50 mm <sup>2</sup> RD/BK WIRE	
Max. Battery Capacity:	2x12V 20Ah (18Ah)	

SD series panel front



Tamper switch will trigger alarm relay immediately when lid are removed

To disable/activate tamperswitch, hold menu button for 10 sek

The system test the state of battery every 24 hours, it is also possible to test battery manually.

Hi temp alarm will trigger alarmrelay immediately

Overload will trigger alarmrelay immediately

### Dip switch setting:

#### SW1

1. Buzzer on / off
2. On and Alarm relay is trigger if Main inn is interrupted more than 10min
3. On and Alarm relay is trigger if Main inn is interrupted more than 30min
4. On when batteries is installed. Off if UPS is to be used only as power supply

#### SW4

1. On when power is 27,2v, Off when power is 13,6v
2. On if overload at 4 Amp
3. On if overload at 8 Amp
- 4: On if overload at 17 Amp

