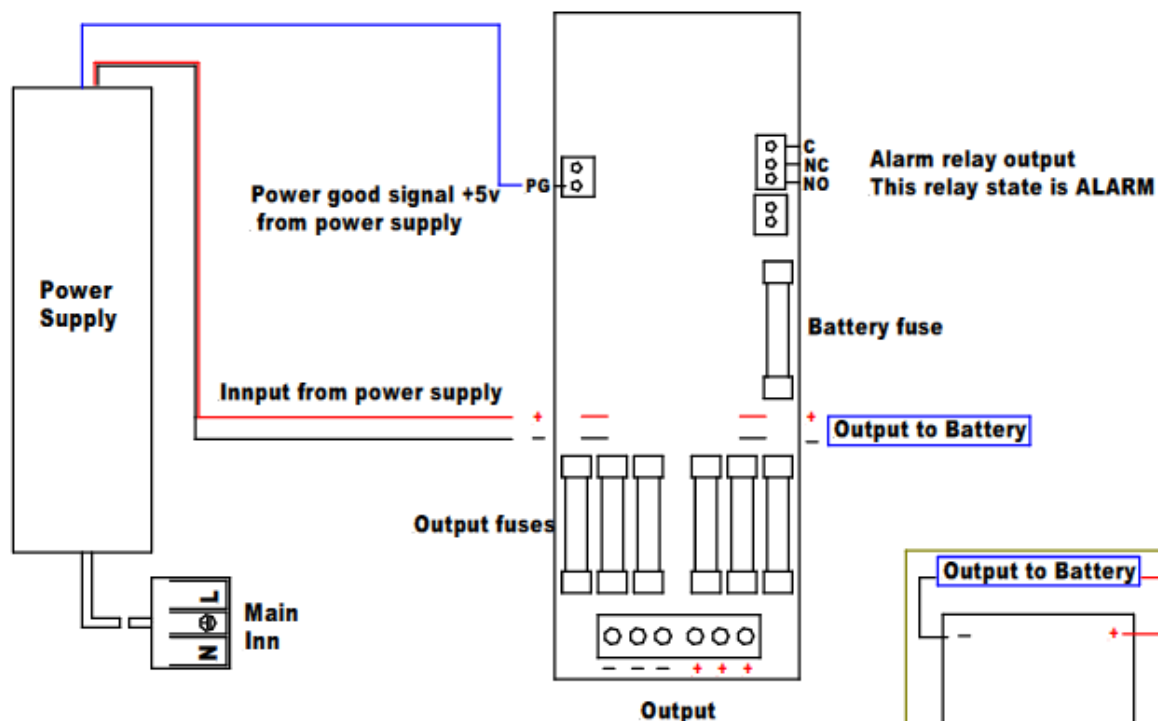
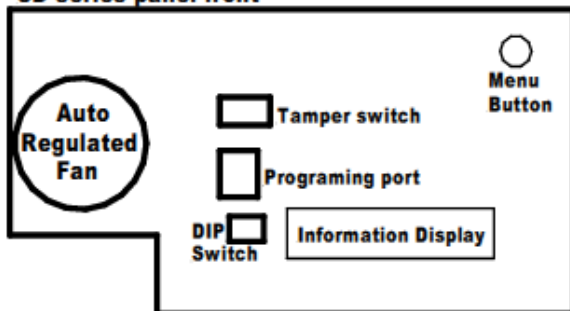


- Charging unit 240W
- Output voltage: 12V (13.6V) or 24V (27.2V)
- Intelligent battery protection
- Multi alarm output with variable delay
- Automatic battery test



Technical specifications	SD4-12240	SD4-24240
Input voltage:	190 – 264V AC, 48-63Hz	
Output voltage:	13,6 VDC	27,2 VDC
Internal adjustable:	12,0 – 15,0 VDC	24,0 – 30,0 VDC
Output voltage limit:	16V + - 6%	33V + - 6%
Output current:	16,0 A	8,8 A
Voltage derating:	20 A at 12 V, 16 A at 15 V	10 A at 24 V, 8 A at 30 V
Output current limit_	100% to 130% of max value. Constant current down to 15V output voltage. Below 15V, fold back current limit.	
Max. Continual Load:	60% of output current with batteries(25Ah) 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:	295x420x185 mm	
Weight:	7,0 kg (without battery)	
Mounting method:	Wall Mount Cabinet	
IP class:	IP20	
Terminals:	Terminal Blocks (Rating 30A)	
Battery connection:	2x3.3 mm ² RD/BK WIRE	
Max. Battery Capacity:	2x12V 24Ah (26Ah)	

SD series panel front



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

Tamper switch will trigger alarm relay immediately when lid are removed

Hi temp alarm will trigger alarmrelay immediately

Overload will trigger alarmrelay immediately

Dip switch setting

1: Audio alarm on/off

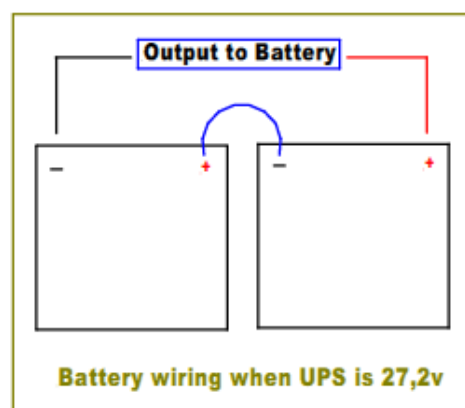
2: ON= Alarm relay delay 15 min

3: ON= Alarm relay delay 30 min

4: ON= Alarm relay delay 60 min

Alarm relay delay does only consern main inn interrupt

Battery wiring
when UPS is 13,6v



SD4 Series

240 W DC-UPS with Cabinet

CoolPower
S o l u t i o n s

CoolPower
S o l u t i o n s