

LIFT SAFETY SYSTEMS

UPS (EBOPS)



UPS

Lift power backup for fan, light and alarm bell

- ★ Fulfilled and complied to the BCA latest standard SS550 and requirement IEC 62040-1
- ★ Micro-processor technology with modular designing concept for most efficient maintenance and services
- ★ Most compact and unique design. Reliable in product quality for contemporary business environment, both commercial and residential projects
- ★ Four stages of charging MCU technology with temperature compensation sensor
- ★ Revolutionary performance for all passenger and cargo lifts
- ★ Lithium iron phosphate is available for lasted 10 years life span



Power Failure? Don't Panic!

Being trapped in the lift during power failure can be frightening and frustrating. It might take minutes or even hours before power resumes, causing inconveniences to the lives of passengers.

Marstech UPS keeps you out of the dark, provides you with ventilation, and calls for SOS

Marstech UPS is specially designed and complies with IEC 62040-1 for lighting, ventilation, and alarm for passenger lift car in the event of power failure.

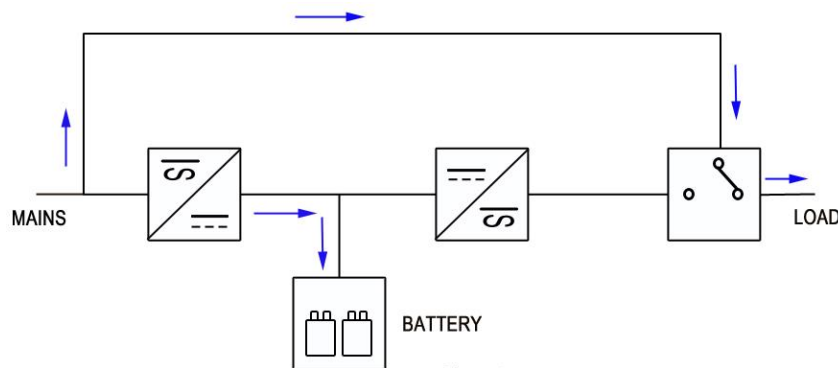


Figure 1

Marstech UPS consists of a rectifier, a set of batteries, and an inverter. It enables the batteries to be charged through the rectifier and, at the same time, provides supply to the load during normal conditions. (Figure 1)

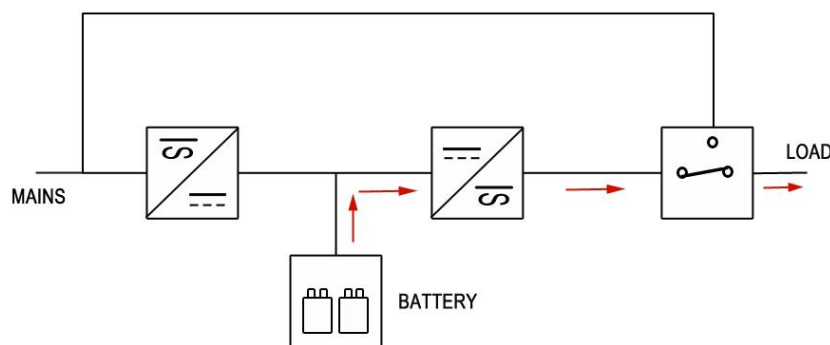


Figure 2

The battery will restore its energy in the form of DC currents to the inverter, and the inverter will supply AC currents to the load when the mains fails (Figure 2).

When the AC mains resumes, the batteries will be recharged immediately through the electrical change over contact. The mains will supply to the loads as shown in (Figure 1).



Product features:

Enclosure: The cubicle is protected against corrosion by exclusive power coated 1.2mm thickness electro-galvanised steel sheet welded on all seams secured with standard can lock.

Digital LED display panel: With LED luminous indicating functional operation

Digital Voltmeter: To indicate the battery terminal voltage

Digital Ammeter: To indicate the charging and discharging current of the batteries

Output MCB: This MCB is to connect (ON position) or disconnected (OFF position) the loads to the UPS supply & provides overload protection

Input MCB: This MCB is to isolate the AC supply from the mains to the UPS unit & provides overload protection for the transformer and rectifier

Timmer setting: To set the duration of current and voltage display

Technical Specifications:

Model	SSW24-4ND-Li	SSW24-4ND-Sla
Input voltage (V)	230 +/-10%	
Input frequency (Hz)	47-53	
Rated power (W)	100	
Rated voltage (V)	230 +/- 10%	
Rated frequency (Hz)	50Hz +/-1%	
Battery voltage (V)	24	
Technology	Embedded MCU control	
Waveform	Modified Sinewave	
Back up time (hours)	4	4
DC/DC converter (V)	24/24	24/24
Approx. weight (kgs)	13	13
Dimension (H x L x W) mm	450 x 370 x 190	450 x 370 x 190
Temp. compensation	Yes	
Battery model	LFELi2422	12SP28
Battery used	24V 512Wh	2 x 12V 100W
Safety Standard	IEC62040-1	

Marstech Systems Pte Ltd

Blk 24 Sin Ming Lane #05-107 Midview City

Singapore 573970

Tel No. 66775598, e mail: sammi.hy@gmail.com