

Technical specification

DETAILS	
Model	SJ-S
Power rating	1000VA
Input	
AC Voltage	220V Single phase + N 50Hz
DC Voltage	60VDC
DC, AC start	Yes
Output	
Voltage	220V \pm 10%
Wave form	Pure Sine (Mains); Modified sine (Battery)
Frequency	50 Hz
Delayed output	5s - 10s - 15s
Transfer	<10ms
DC Inverter	60VDC
Battery	
Battery type	Lead acid maintenance free battery
Charging	60VDC
Configuration	5x12V
Recharge	90% Capacity after 8 hours
Back up time	Depend on battery capacity, automatic off after 200s in evacuation state
Other feature	
Transformer	yes
Noise	<45db (1m)
Temperature	0 - 45°C
Humidity	20% - 90% (Non- Condensing)

UPS FOR ELEVATOR Battery Powered Emergency

SOJI SJ-S 60VDC



This device is mainly an UPS supplied by a 60V 7AH batteries, with some additional functions.

This device can be used for emergency evacuation operation for all elevator panels with inverters of all power ratings with the main control panel is supplied from 220V/50Hz inverter and the inverters DC buses are directly derived from the batteries.

The dimensions are 155 mm width, 180mm height, and 175mm depth, weight 6.0 kg.

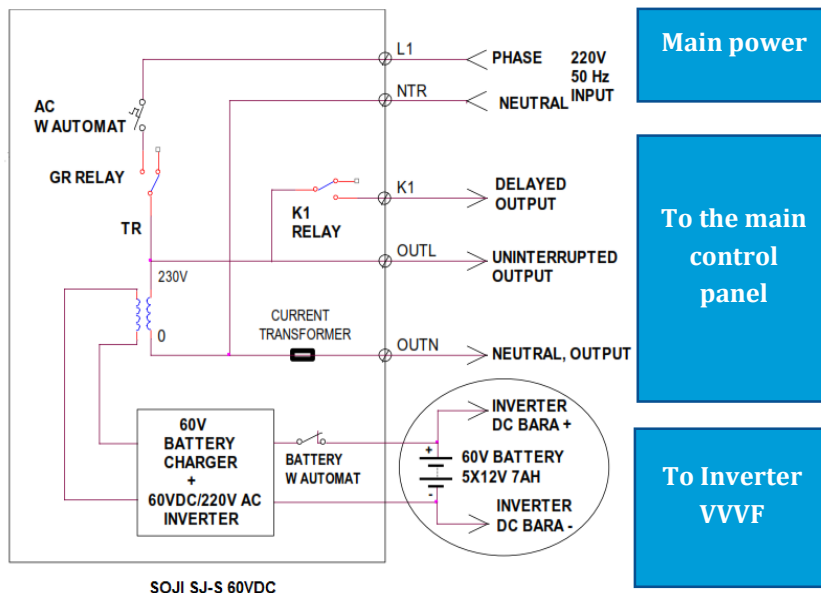
The operating ambient temperature is 0°C - 45°C

Working Principle

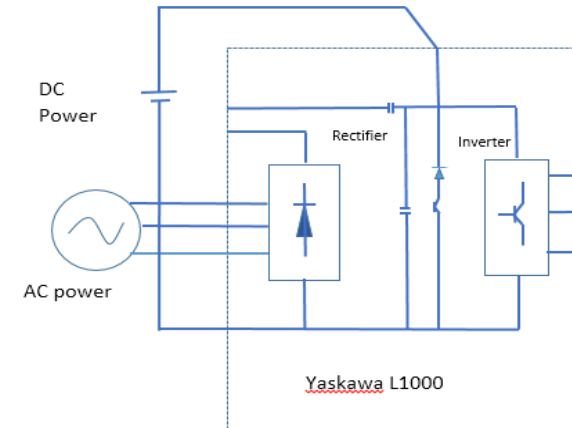
The main part of the SJ-S device is a '220V, 50Hz inverter' which supplies power to the main control panel, including the control circuits, the brake and the door unit, during a power failure.

The power to the main motor inverter is supplied directly from the batteries. This is especially good in terms of the reliability and the efficiency of the power source. It is also very important since it is this inverter which drives the main motor, there is no power limit in SJ-S device, assuming that a battery voltage and amp-hour capacity is suitable for it.

Principle Diagram



How to connect to the inverter?



Example of connecting to Yaskawa Inverter.

Features

- Used for both synchronous or asynchronous motor drives.
- There is no power limit in SJ-S device.
- DC bus voltage changes from 48V to 120V depending on the different model – Fit with most of inverter in the market.
- To be placed within the main elevator control panel with 155mm width, 320mm height and 150mm depth, weight 8.0 kg. The operating ambient temperature of SOJI SJ-S series is 0° C - 45° C
- Automatic off after evacuating, does not consume any current from the batteries during waiting time.
- The device does not cause any potential fault to the operation of the elevator panel.
- Alarming by Buzzer and LED