



35
YEARS OF
Excellence
★ ★ ★



A Trusted Name In **ARD** For
All Types of Elevators



Swastik Power Electronics India Pvt. Ltd.

www.swastikpower.com

A Trusted Name In **ARD** For All type of Elevators

Salient Features

- IGBT based inverter to handle peak current
- Pure Sinewave Output
- Suitable for Elevators having 3.7 to 50 KW motor
- Rescue operation in up as well as down direction
- Inverter overload and short circuit protection with auto restart function
- Low-ripple Current battery charger for longer battery life
- Less than 1 milliamps discharge current if mains disconnected, to avoid over-discharge of the batteries
- Shutdown after DZ Signal to avoid further discharge of Batteries
- Self-shutdown, if no DZ signal
- Manual Bypass Switch provided incase of ARD failure to keep Lift running
- Individual phase Voltage Correction in Inverter mode for proper rescue operation (three phase ARD).
- LCD display (Optional) with Field Programming of all Timers
- Vertical Sleek design Cabinet for ARD is available for MRL Lifts
- Separate Charging System. Battery Charging starts, as soon as mains Power is resumed, even if batteries are too low
- Potential-free NO and NC contacts for Communication
- Once ARD operation starts, it will complete the Operation even if Mains Power resumes
- ARD operates incase of Single Phasing
- Pre-defined Low cut-off, for each phase with respect to the Neutral
- Battery reverse connection protection
- IP20 Cabinet
- Space for battery Accommodation
- Compatible with Generator Power Supply
- Easy Installation



5000 + Successful Installations

Technical Specifications

- **Models** : 1 KVA to 10 KVA
- **Motor KW** : 3.7 KW to 50 KW
- **Battery Voltage** : 36 V to 120 V
- **Mains Mode**

- Input Voltage : 1-Phase-230V or 3-Phase-415V, with Neutral
- Input Frequency : 50Hz
- Mains Voltage Monitoring : Monitors all three Phases with Neutral
- Mains low cut-off : 140V +/- 5V
- Mains Recovery : 160V +/- 5V

■ **ARD Mode**

- Switching Device : IGBT modules (MOSFET optional)
- Controller : Microcontroller
- Output : Pure Sine wave
- Phases : 1-Phase, 230V/415V and 3-Phase, 415V

■ **General**

- Changeover time - Mains to ARD mode : 3 to 15 Seconds, Programmable
- Changeover time - ARD to Mains mode : 3 to 15 Seconds, Programmable
- Door Zone Shutdown time : 10 to 50 Seconds, Programmable
- Self Shutdown Time : 80 to 250 Seconds, Programmable
- Output power factor : 0.8
- Protections : Short circuit, Overload & Battery low
- LED Indications : Mains on, Inverter on, Overload, Charging On, Battery Low, DZ on
- LCD Display : Mains present, Output source, Load percent, Battery Voltage, Battery Current, Status & Settings
- Operating Temperature : 0 to 55 Degree Celsius
- Cabinet : IP20
- Bypass : Manul Bypass switch / Bypass Connector

■ **Charger**

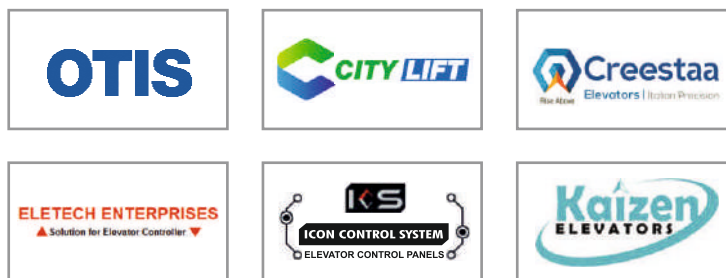
- Topology : Buck/ Boost
- Switching Device : MOSFET/ IGBT
- Charging Current : 1 to 3 Amps



OTHER PRODUCTS FOR ELEVATOR

- Jerk-free ARD for high speed Elevator
- Balance inverter for long backup
- Online UPS for interrupt-free long backup
- Servo Controlled Voltage Stabilizer
- Cartop Inverter
- Brake Release Inverter

OUR MOST VALUABLE CLIENTS



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