Ensuring power availability at any time

Medium Voltage Distribution

RM6 Automatic Transfer System (ATS)
Because a MV Power Supply interruption is unacceptable especially in critical applications, an automatic system is required for MV source transfer. For your peace of mind, RM6 enables automatic control and management of power sources in your medium voltage secondary distribution network with a short transfer time (less than 10 seconds), guaranteeing the hi-reliability of your installation.

**ATS with generator**
On loss of voltage on line, the ATS starts genset and switches to genset.

**ATS 1/2**
On loss of voltage on L1, the Automatic Transfer System automatically switches to L2.

**ATS 2/3**
On loss of voltage on one line, the ATS opens this line and closes the bus coupler.
• **Boost operating efficiency** with automatic monitoring and guaranteed power availability—ATS comes with an optional communication module to transmit information to a remote control system.

• **Automatic control is performed by Easergy T200 I**
This T200 I device can also be used for remote control with a wide range of modems and protocols.

• **Automatic Transfer System (ATS) to switch the MV connection to back-up generator** can reduce your operational expenses

  Tariff optimisation: you can negotiate a better rate with your Electrical Utility if you accept to disconnect from network during peak hours. The Utility sends a signal just before the higher peak rate. ATS receives this signal and:
  - Starts the generator
  - Turns on the main switch once the generator is ready
  - Turns off the generator switch

• **Forcing ATS with generator**
  - From a remote control
  - From a digital input

Application:
- maintenance (periodic test of the Genset)
- tariff optimisation

• **Factory tested, preconfiguration design**
ATS comes ready to install on an RM6 switchboard in a T200 I box automation comes pre-programmed, eliminating sequence errors during set up.

• **More efficient procurement**
easy-to-order based on existing part numbers

• **Quick, easy installation**
  - Plug-in connection only
  - Kit included for mounting T200 I on wall or RM6

• **Simple commissioning**
easy to configure service voltage, time delays, and ATS operating modes.

• **Maintenance free**
automatic testing and troubleshooting.
How does it work?

By combining the RM6 switchboard and Easergy T200, you benefit from a hi-reliable and pre-tested solution that ensures the availability of your energy.

The RM6 ATS solution is made of:

1. **Voltage sensors.** Dedicated version of VPIS with voltage output signal.

2. **Voltage detector.** A relay is activated when a loss of voltage is detected from the VPIS voltage output signal.

3. Current sensors for **Fault Passage Indicator.** Should a fault current be detected, the Automatic Transfer is locked in order to avoid to close the healthy line on the fault.

4. **Automatic Transfer Smart Device.** From the digital input coming from the VD23, and the FPI information, this device takes the decision to switch from one line to the other. It provides the uninterrupted energy for the operation.

5. **Communication to SCADA.** Optionaly, communication facilities may be added. 
   - **Protocoles:** Modbus, IEC 870-5-101, DNP3, ...
   - **Media:** PSTN, Radio, GSM/GPRS, Ethernet, ...
   - **Functions:** Dual port, remote configuration, ...