

## Automatic Transfer & Load Share Unit with Mains



Load sharing with genset (up to 32 gensets)  
Busbar voltages and frequency measurements  
Bus failure detection  
Peak lopping (mains or genset)  
Power export to mains  
Mains de-coupling protection with R.O.C.O.F and vector shift methods  
Volts, frequency and phase matching  
Synchroscope display  
Logic Controller functionality for PLC

### Warning & Electrical Trip

Mains rocof  
Mains vector shift  
Minimum genset

### Fail Monitoring

Emergency stop  
Mains failure  
Bus failure

### Alarm

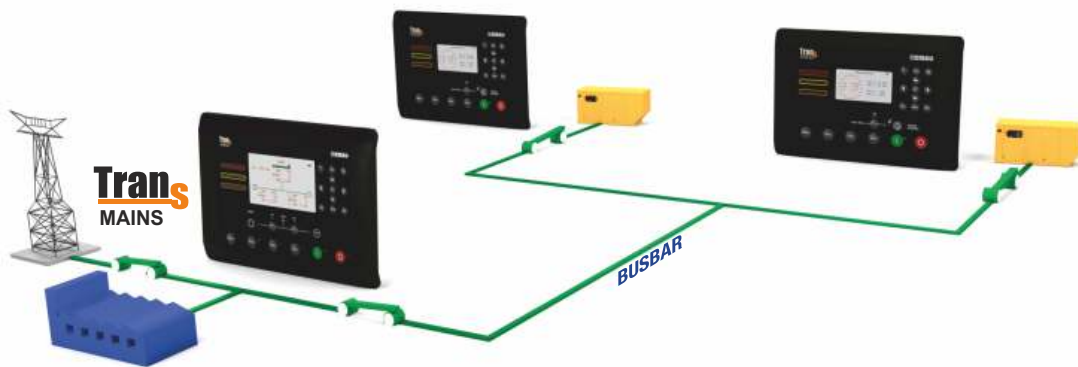
Bus breaker not opened  
Bus breaker not closed  
Mains breaker not opened  
Mains breaker not closed

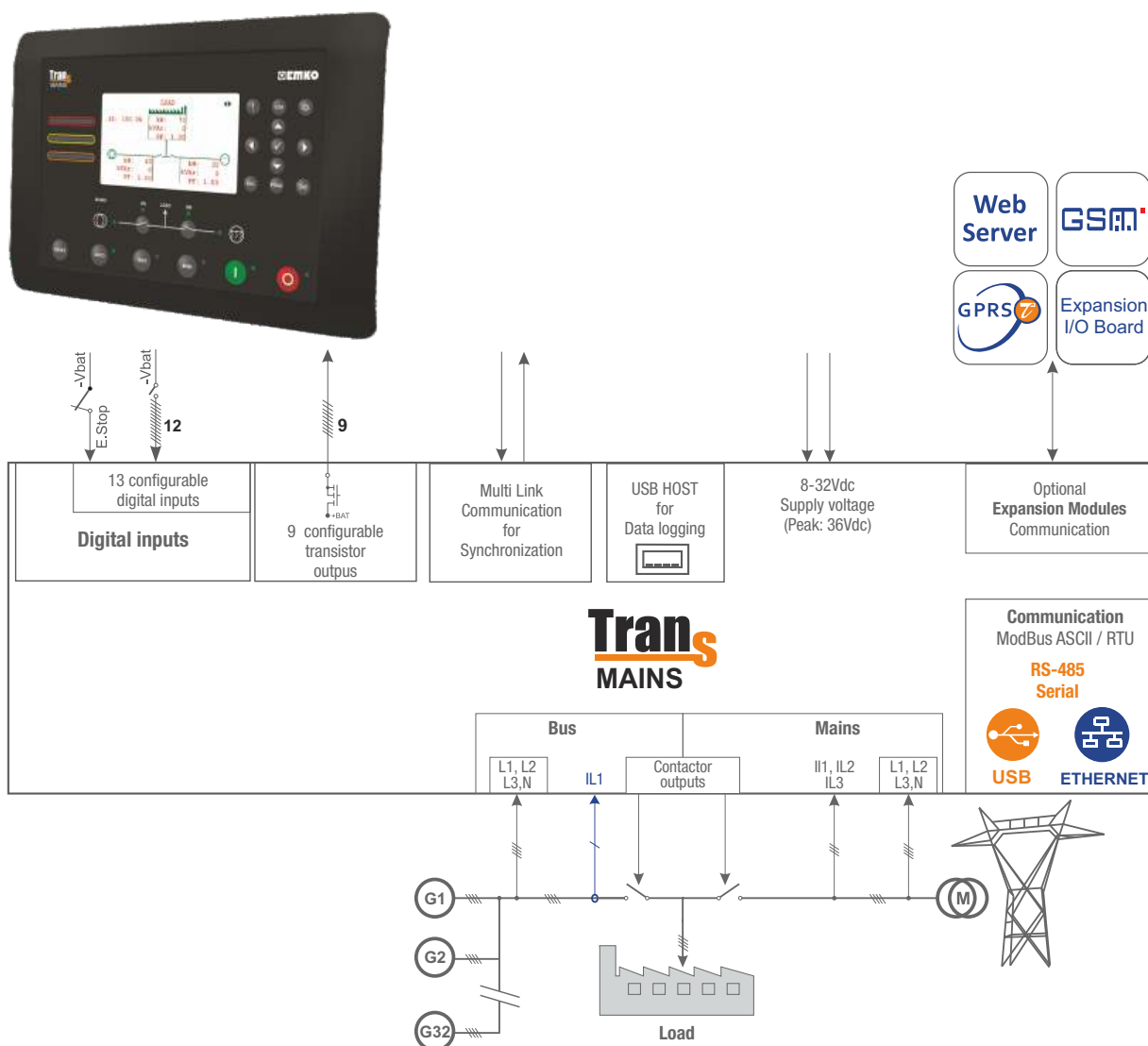
### Error

Battery low  
Battery high  
Can open  
Synchronization  
Minimum genset

### Controls

Mains supply  
Automatic genset start  
Load transfer  
Load sharing





Dimensions	: 276 mm x 189 mm x 45 mm. (including connectors). Plastic housing for panel mounting.
Panel Cut-Out	: 223mm x 162mm.
Protection	: IP65 at front panel.
Weight	: Approximately 0,82 Kg.
Environmental Rating	: Standard, indoor at an altitude of less then 2000 meters with non-condensing humidity.
Operating/Storage Temperature	: -20°C to +70°C / -30°C to +80°C
Operating/Storage Humidity	: 95% max. (non-condensing)
DC Battery Supply Voltage	: 8 to 32 V dc (Peak: 36Vdc) Max. operating current is 860 mA.
CT Secondary	: 5A.
Sender Measurement	: 0 to 1300 ohm, accuracy: 1 % FS, resolution: 1 ohm.
Communication Interface	: USB programming and communication port, CanOpen, Ethernet, RS485.

#### Order Information

**Trans-MAINS**

Synchronising & Automatic Transfer Switch