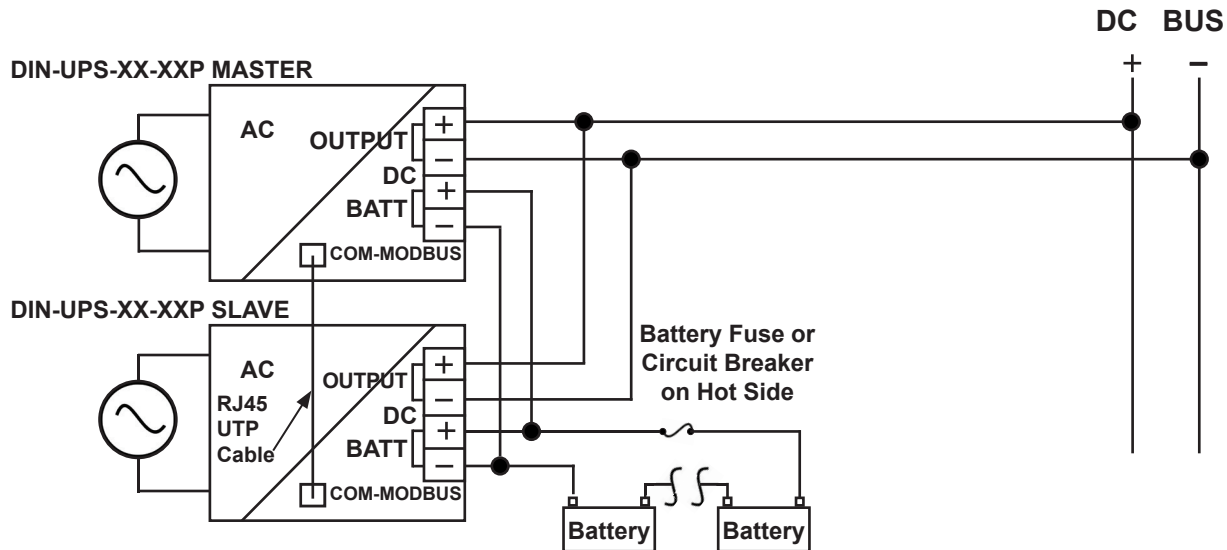


# DIN Rail UPS Parallel Connection "Double Power" Manual

Models:

DIN-UPS 12-35P, DIN-UPS 24-20P & DIN-UPS 48-10P



## Parallel Connection "Double Power"

DIN-UPS (P) models can be paralleled for  $1+1=2$  parallel to obtain double the power of a single unit. It is necessary to use a standard UTP cable RJ45 to connect the Aux2/COM-MODBUS jack of each DIN-UPS (P) model. The communication protocol is based on CAN2.0A standard and results in only One output for the Load and One output for the battery.

**A)** Use separate AC input fuses for each DIN-UPS-XX-XX.

**B)** Configure one unit as the master and the other as slave (see "master/slave wiring diagram"). User interface elements (jumpers, charging level trimmer, start button, time-buffering rotary switch, thermal sensor, relays) must be used on the master only, not on the slave. Set charging level trimmers at the same level both on master and on slave. In this configuration mode, only the Master device will give Display status Led indications and alarm relay contacts for output mains/backup and low battery. Do not use Slave unit for signal status but only for Power unit, the Diagnosis LED is always ON to identify the Slave Device.

## Master/Slave Network Configuration

1. Switch off the units and connect RJ45 cable between each DIN-UPS-COM-MODBUS jack (AUX 2)
2. Set rotary switches "Time Buffering" in, master: 0; slave: 1
3. Switch on the units together; hereafter the rotary switch on Master unit is available for Time Buffering setting.

The network remains so configured as long as RJ45 cable remains connected. If you want to reconfigure the network:

4. Switch off the units and disconnect RJ45 cable;
5. Switch on the units together
6. Go back to point 1.

For Start Battery without mains voltage, push start button only on Master (the Slave will powerup sequentially).

In such double power connection, all battery tests are under master control and synchronization

M-DINUPS-P  
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