

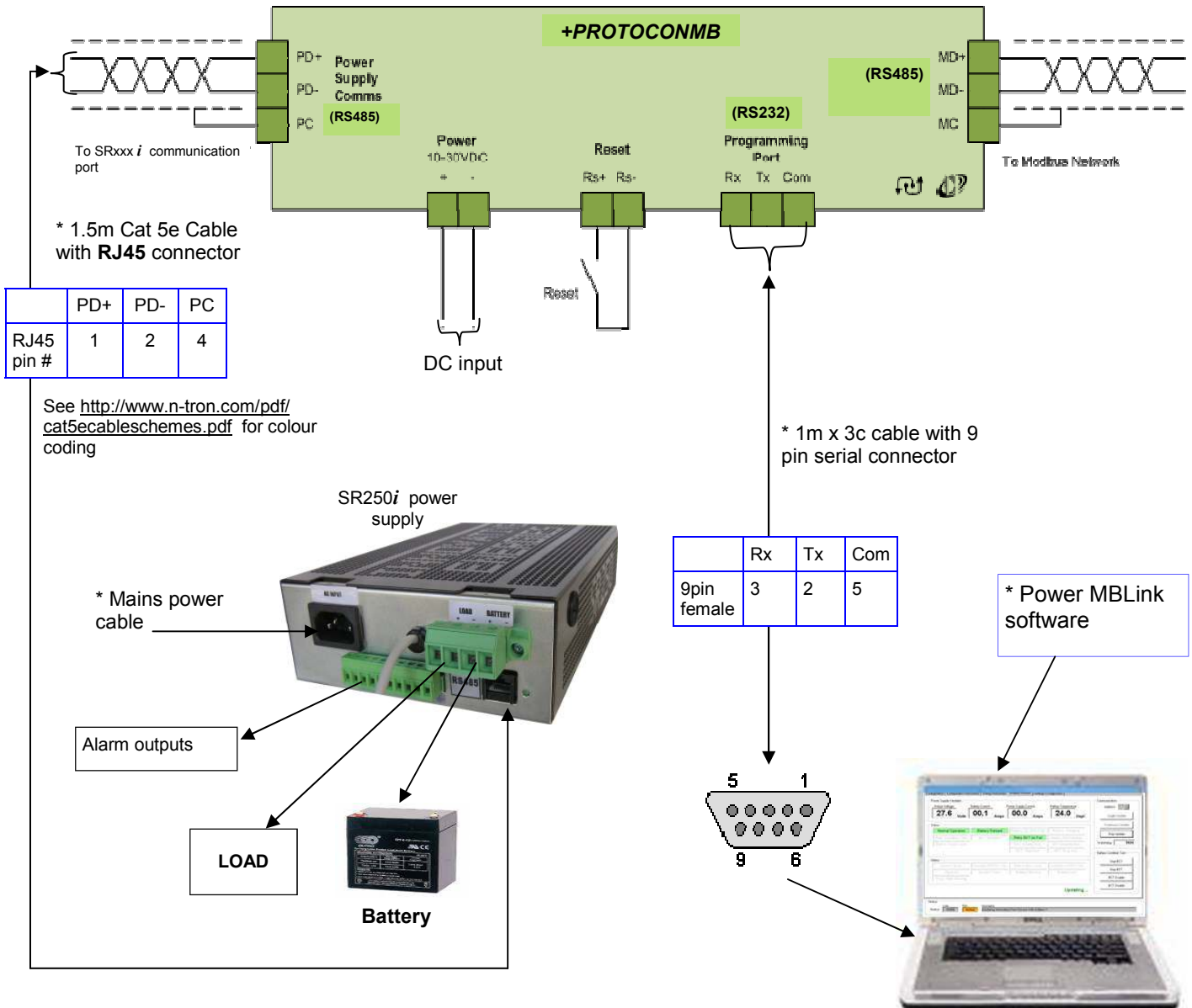
**PROTOCOL CONVERTER FOR RS485**

The **+PROTOCONMB** protocol converter is designed to be used with **No-Break™ DC** power supplies, with single battery output, for example SR100*i* or SR250*i* with RS485 communication port. It enables the user to monitor and control in real time various power supply parameters using Modbus RTU protocol via the RS485 output port or the RS232 programming port.

The **+PROTOCONMB-OE** converter, in addition to the above, enables the user to monitor and control the power supply via Modbus TCP and HTTP over Ethernet. For further information on this version please refer to the **+PROTOCONMB-x-OE** data sheet.

The 'Power MBLink' software supplied is used to configure the MODBUS address and baud rate of the interface.

Model Codes:  
**+PROTOCONMB:** Modbus RTU on RS485 link  
**+PROTOCONMB-OE:** Modbus RTU on RS485 & Modbus TCP and HTTP over ethernet



\* Accessories included

**INFORMATION AVAILABLE VIA MODBUS OUTPUT OR LOCAL PROGRAMMING PORT**

**Continuously Updated Variables:**

- Output Voltage
- Battery Current
- Power Supply Current
- Battery Temperature

**Alarms**

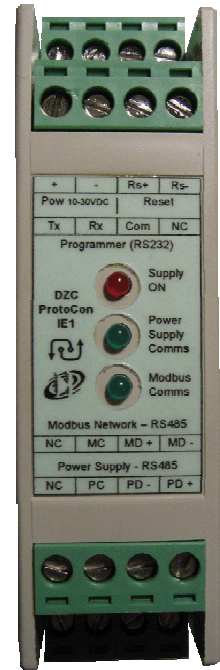
- Mains Failure
- Possible Mains/PSU Fail
- Battery in Bad Condition
- Communications to PSU Fail (eg. on LV disconnect)
- Overload
- System Down
- Battery Missing
- Battery Low
- Possible Battery Missing

**Alarm State Signals:**

- Normal Operation
- Battery Present
- Battery OK (on input power fail)
- Battery Charging
- Battery Condition Test
- BCT enabled
- Retry BCT on fail
- Battery Discharging
- Battery in Good Condition

**Command Functions:**

- BCT Enable Acknowledge
- BCT Disable Acknowledge
- BCT Start Acknowledge
- BCT Stop Acknowledge



**Power MBLink v1.2**

**Innovative Energies - Power Supply - Modbus Interface Programmer**  
Power MBLink Version 1.2

Configuration | Configuration Instructions | Wiring Instructions | **Modbus Monitor** | Settings & Diagnostics

**Power Supply Variables**

Output Voltage: <b>27.7</b> Volts	Battery Current: <b>00.0</b> Amps	Power Supply Current: <b>01.5</b> Amps	Battery Temperature: <b>20.0</b> DegC
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**Status**

Normal Operation	Battery Present	Battery OK (Pwr Fail)	Battery Charging
Batt. Condition Test	<b>BCT Enabled</b>	Retry BCT on Fail	Battery Discharging
Batt in Good Cond.		BCT Enable Ack	BCT Disable Ack
		BCT Start Ack	BCT Stop Ack

**Alarms**

Mains Failure	Possible M/PSU Fail	Batt in Bad Cond.	Comms to PSU Fail
Overload	System Down	<b>Battery Missing</b>	Battery Low
Poss. Batt Missing			

**Communication**

Address:

Single Update

Continuous Update

Stop Update

Watchdog:

**Battery Condition Test**

Start BCT

Stop BCT

BCT Enable

BCT Disable

**Notice**

Code	Type	Description
03006	Notice	Updating Information From Device With Address 1