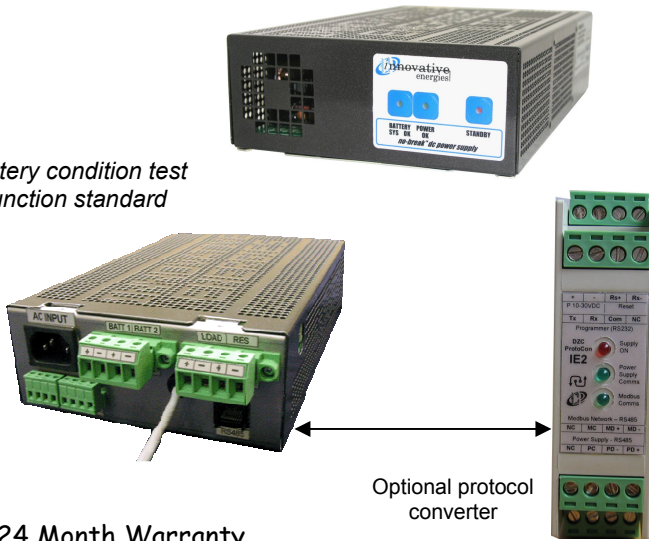




Battery condition test function standard

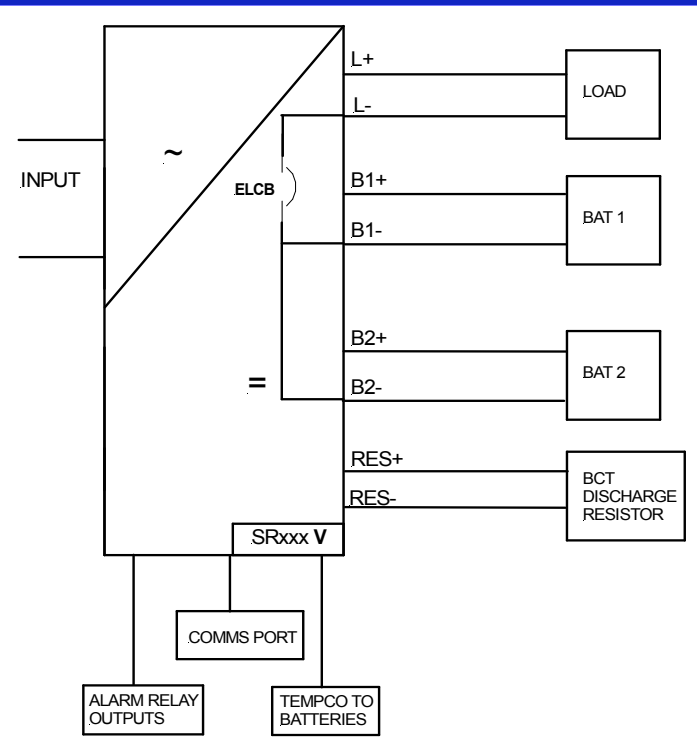


- Choice of RS485, RS232 or LAN protocols
- Dual battery outputs enable full (75%) discharge battery condition test (BCT) on each string
- At least one battery string is always full charged
- Longer battery life due to resting period
- Fully Isolated RS485 Communications Port (optional RS232 or Ethernet available)
- Easily connected to existing PLC or Scada system
- Modbus RTU using RS232 or 485, Modbus HTTP/ TCP over ethernet
- Remote battery condition indication & alarms
- Remote enable/disable/initiation of battery condition test
- Remote live monitoring of power supply and battery voltage, current, temperature
- Setup & local monitoring using PC

◆ 24 Month Warranty

- SPECIFICATIONS:**
1. Please refer to SR250C data sheet for specifications on power supply/charger
 2. Full specifications on protocol converters available on request

SCHEMATIC BLOCK DIAGRAM



OPTIONS

- Communication Ports available on PSU** RS485, RS232, Ethernet (LAN). All transmit IEL proprietary ASCII code
- Modbus Protocol Converters** Protocol Converter for use with RS485 output from PSU, with programming port for PC & Modbus compatible outputs. **Power MBLink** setup software included.
- Modbus protocol versions available:
- RTU
 - TCP/IP
- Codes: **+PROTOCONMB-V**: supports Modbus RTU on RS485 link
- +PROTOCONMB-V-OE**: supports Modbus RTU on RS485 or RS232 link and Modbus HTTP & TCP over ethernet
- Battery Condition Test (BCT) Discharge Resistor** BCT discharge resistor available, size of resistors depends on application, specify **+BCT LOAD**



Recording of battery voltage, battery temperature & PSU current during and after battery condition test

250 Watt No-Break™ DC WITH DUAL BATTERY OUTPUTS

SR250V

MODBUS MONITOR

Dual Power MBLink v1.0
Innovative Energies - Power Supply - Modbus Interface Programmer
 Dual Battery String - Power MBLink Version 1.0

Power Supply Variables:
 Output Voltage: **27.3** Volts
 Battery Current: **03.7** Amps
 Power Supply Current: **02.9** Amps
 Battery Temperature: **19.0** DegC

System Status:
 Normal Operation: Present
 Possible Mains Fail: Charging
 Mains Failure: Discharging
 Overload: Resting
 System Down: Low

Battery String 1 Status:
 Present
 Charging
 Discharging
 Resting
 Low

Battery String 2 Status:
 Present
 Charging
 Discharging
 Resting
 Low

Comms: PSU to Converter: Comms OK
Comms: Converter to PC: Comms OK

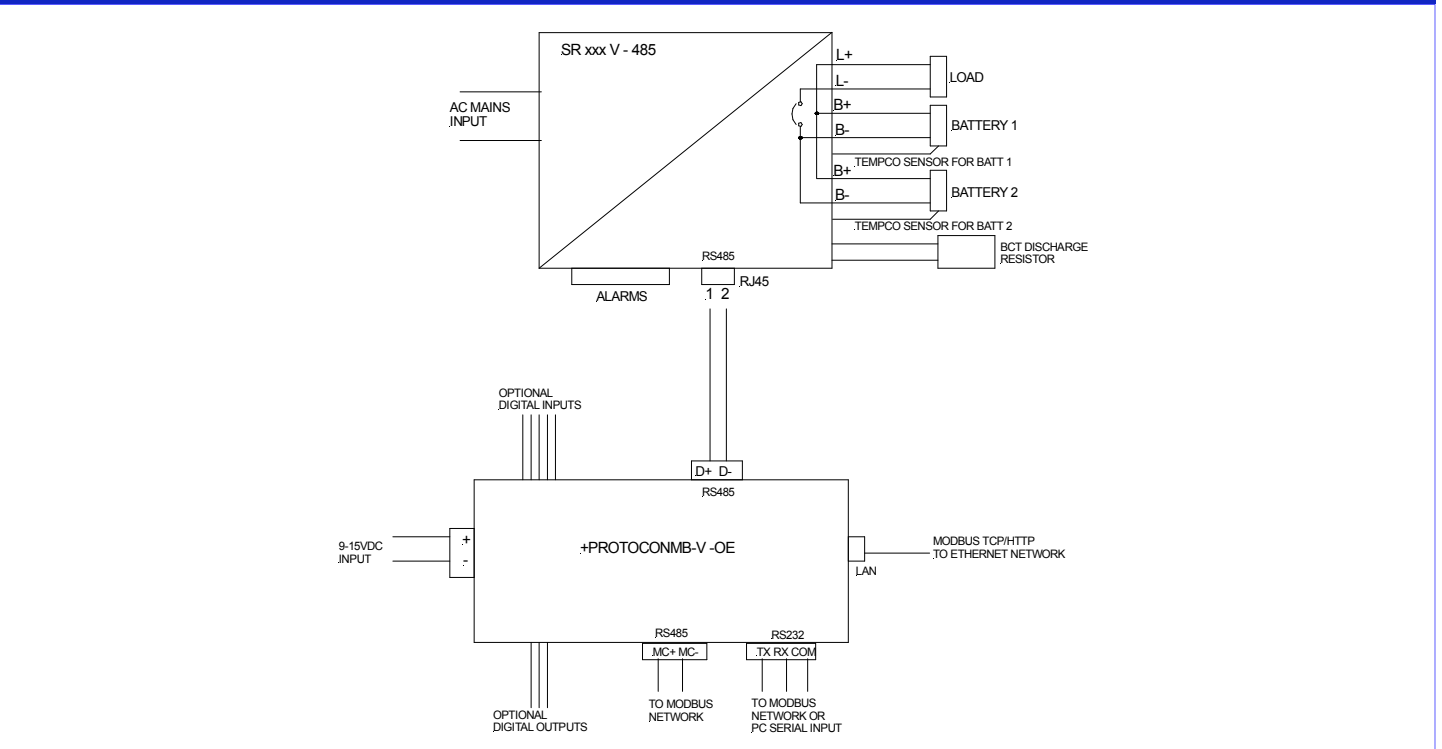
Control:
 TLog Reset Ack, Clear Bad Batt Ack, BCT Start Ack, BCT Stop Ack, BCT Enable Ack, BCT Disable Ack, Toggle Bat Ack, Reset Temperature Log, Clear Bad Battery, Start BCT, Stop BCT, Enable BCT, Disable BCT, Toggle BCT Batt

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



Optional protocol converter
+PROTOCONMB-V-OE

SCHEMATIC BLOCK DIAGRAM SHOWING CONNECTION WITH +PROTOCONMB-V-OE MODBUS CONVERTER



MODEL IDENTIFICATION CODES

SR250V12 T F S L 485

—	Type of Communications Interface Port	485 = RS485	232 = RS232	LAN = ETHERNET
—	Input voltage and front Panel standby switch	230V AC + switch = L 110V AC + switch = U 110V DC + switch = H 230V AC + switch + 300V MOV = M (To be used with IE OVP HV AC)	230V AC no switch = blank 110V AC no switch = G 110V DC no switch = J	
—	Output DC Connector type:	Stud = S	Phoenix comblock (plug in screw terminal block) = X	
—	Fan cooled:	With fan = F	No fan = blank	
—	Temperature Compensation	Yes = T	No = blank	
—	DC output: Nominal voltage	12, 24, 30, 36, 48		
—	Function	V = No-Break™ DC PSU/charger with dual string battery output & communications port		
—	Power	250W		