

Battery status at a glance



Defining the amount of energy available in a battery is a complex task since battery age, discharge current and temperature all influence the actual battery capacity. High performance measuring circuits, along with complex software algorithms, are used to exactly determine the remaining battery capacity. A new shunt selection feature enables the LinkPRO and LinkLITE to measure currents up to 10,000 and 1,000 amps respectively.

The LinkPRO and LinkLITE selectively displays voltage, charge and discharge current, consumed amphotours, remaining battery capacity and the LinkPRO also displays the time remaining of your battery bank. Using a clear backlit LCD Display and an intuitive user interface, all parameters can be recalled with just a button press. A second battery input is also provided to monitor voltage on a second battery bank.

The LinkPRO and LinkLITE are equipped with an internal programmable alarm relay, to run a generator when needed or to turn off devices when the battery voltage exceeds programmable boundaries.

Performance Features

- » Read your battery bank like a fuel gauge
- » Provides critical information about the status of your battery bank
- » Displays voltage, current, consumed amphotours and remaining battery capacity
- » Secondary battery bank voltage monitoring
- » Auto sensing battery voltage inputs
- » Large backlit LCD Display
- » Quick nut mounting construction
- » Programmable alarm relay
- » Shunt selection capability enables flexible system integration
- » Splash proof frontpanel
- » 500 Amp shunt included
- » CE and e-mark certified

LinkPRO Additional Performance Features

- » Displays time remaining
- » Communication/expansion port
- » Stores a wide range of history events in internal memory
- » Advanced programmable alarm relay
- » Battery temperature sensor input

Applications:



Schneider Electric Solar Business

3700 Gilmore Way
Burnaby, British Columbia
Canada V5A 4B5
800 670 0707 Toll Free
604 420 1591 Fax

541 Roske Drive, Suite A
Elkhart, Indiana
USA 46516
800 446 6180 Toll Free
574 294 5989 Fax

www.xantrex.com

LINKLITE and LINKPRO

POWER ACCESSORIES



| Electrical Specifications | LinkPRO | LinkLITE |
|------------------------------|-------------------------|------------------------|
| Supply voltage range | 9 to 35 Vdc | 9 to 35 Vdc |
| Supply current* | | |
| @ Vin = 12 Vdc | 9 mA | 9 mA |
| @ Vin = 24 Vdc | 7 mA | 7 mA |
| Input voltage range | | |
| Main battery | 0 to 35 Vdc | 0 to 35 Vdc |
| Auxiliary battery | 2 to 35 Vdc | 2 to 35 Vdc |
| Input current range** | -9999 to +9999 A | -999 to +999 A |
| Battery capacity range | 20 to 9990 A | 20 to 999 A |
| Readout resolution | | |
| Voltage (0 to 35 V) | ± 0.01 V | ± 0.1 V |
| Current | 0 to 199 A (± 0.1 A) | 0 to 99 A (± 0.1 A) |
| Current | 200 to 9999 A (± 1 A) | 100 to 999 A (± 1 A) |
| Amphours | 0 to 199 Ah (± 0.1 Ah) | 0 to 99 Ah (± 0.1 Ah) |
| Amphours | 200 to 9999 Ah (± 1 Ah) | 100 to 999 Ah (± 1 Ah) |
| State-of-charge | ± 0.1% | ± 1% |
| Time-to-go (0 to 99 hrs) | ± 1 minute | n/a |
| Time-to-go (100 to 240 hrs) | ± 1 hour | n/a |
| Temperature (-20 - +50°C)** | ± 0.5°C | n/a |
| Voltage measurement accuracy | ± 0.3% | ± 0.3% |
| Current measurement accuracy | ± 0.4% | ± 0.4% |

| General Specifications | LinkPRO | LinkLITE |
|-----------------------------------|---|---|
| Operating temperature*** | -20 to 50°C | -20 to 50°C |
| Battery monitor dimensions | | |
| Front panel | ø 2.54" (64 mm) | ø 2.54" (64 mm) |
| Body diameter | ø 2.05" (52 mm) | ø 2.05" (52 mm) |
| Total depth | ø 3.11" (79 mm) | ø 3.11" (79 mm) |
| Shunt dimensions | | |
| Footprint | 1.77 x 3.43" (45 x 87 mm) | 1.77 x 3.43" (45 x 87 mm) |
| Height | 0.67" (17 mm) base / 1.38" (35 mm) terminal bolts | 0.67" (17 mm) base / 1.38" (35 mm) terminal bolts |
| Weight | | |
| Battery monitor weight | 0.21 lb (95 g) | 0.21 lb (95 g) |
| Shunt weight | 0.32 lb (145 g) | 0.32 lb (145 g) |
| Warranty | One year | One year |
| Part Numbers | 84-2031-00 | 84-2030-00 |
| Accessories | | |
| Temperature sensor -32 ft (10 m) | 854-2022-01 | n/a |
| Communication kit | 854-2019-01 | n/a |
| Connection kit -50 ft (15 m) | 854-2021-01 | 854-2021-01 |

Regulatory and Environmental Compliance

EMC Directive 2004/108/EC (EN61000-6-2 and -6-3). Automotive EMC Directive 95/54/EC. RoHS Directive 2002/95/EC

Note: Specifications subject to change without notice. *Measured with backlight and alarm relay turned off. **Only available when optional temperature sensor is connected. ***Depends on selected shunt. With standard delivered 500 A / 50 mV shunt (350 A continuous), the range is limited from -600 to +600 A.