

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:



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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.