

Expert Lite Battery Monitor



The Expert Lite is a high precision battery monitor. Defining the amount of energy available in a battery is a complex task. Discharge current and many other factors influence the actual battery capacity. The Expert Lite Pro selectively displays; voltage, charge and discharge current, consumed amp-hours and remaining battery capacity. Using a clear backlit LCD and an intuitive user interface, all parameters can be recalled with just a press of a button.

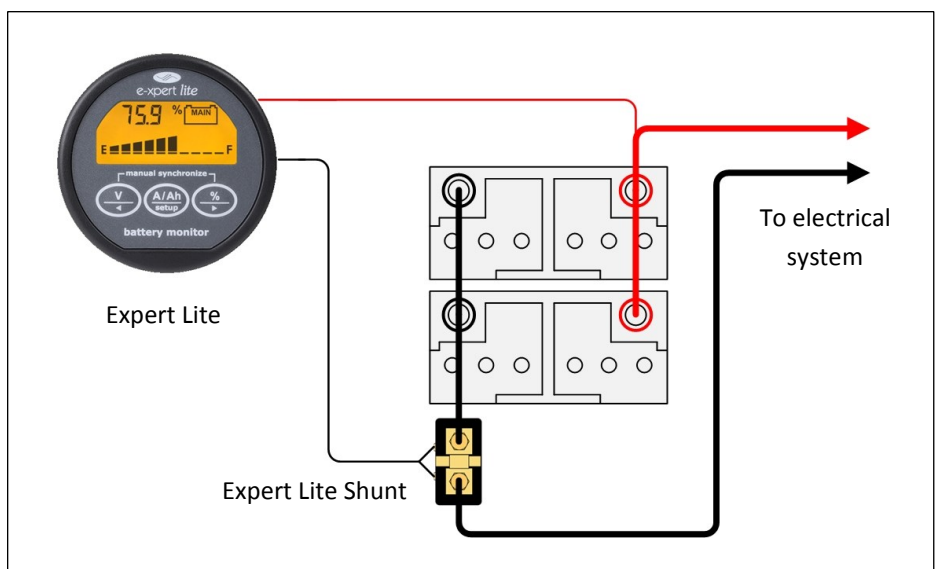
The Expert Lite has a smart clear backlit LCD user interface. A second battery input also provides voltage only. The State of Charge bar graph proves “at-a-glance” information.



- Provides critical information about the status of your battery bank
- Displays voltage, current, consumed amp-hours and remaining battery capacity
- All features provided for a single battery bank, voltage only for a 2nd.
- Programmable alarm relay
- Supplied with 500A shunt
- Suitable for 12 and 24V DC electrical systems
- Splash proof front panel
- CE and e-mark certified



All units carry E-mark certification for legal use aboard vehicles



Expert Lite Battery Monitor

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| PART # | 30-5006 |
| PRODUCT NAME | EXPERT LITE |
| SUPPLY VOLTAGE RANGE | 9.35VDC |
| SUPPLY CURRENT : @Vin=24VDC | 7mA |
| @Vin=12VDC | 9mA |
| INPUT VOLTAGE RANGE (AUXILARY BATTERY) | 2..35VDC |
| INPUT VOLTAGE RANGE (MAIN BATTERY) | 0..35VDC |
| INPUT CURRENT RANGE | -999..+999A |
| BATTERY CAPACITY RANGE | 20.999Ah |
| OPERATING TEMPERATURE | -20..+50°C |
| STOARAGE TEMPERATURE | -30..+70°C |
| READOUT RESOLUTION : VOLTAGE (0..35V) | ± 0.1V |
| CURRENT (0..100A) | ± 0.1A |
| CURRENT (100..999A) | ± 1A |
| AMPHOURS (0..100Ah) | ± 0.1Ah |
| AMPHOURS (100..999Ah) | ± 1Ah |
| STATE-OF-CHARGE (0.. 100%) | ± 0.1% |
| VOLTAGE MEASUREMENT ACCURACY | ± 0.5% |
| CURRENT MEASUREMENT ACCURACY | ± 0.8% |
| METER DIMENSIONS | 64mm/52mm/79mm |
| METER WEIGHT | 95gr |
| SHUNT DIMENSIONS (LENGTH X WIDTH X HEIGHT) | 87 x 45 x 35mm |
| SHUNT WEIGHT | 145gr |
| PROTECTION CLASS | IP20 (Frontpanel only 1P65) |
| STANDARDS | CE marked meeting EMC directive 2004/108/EC and LVD 2006/95/EC complying with EN60335-1, RoHS 2002/95/EC and e4-95/54/EC |

