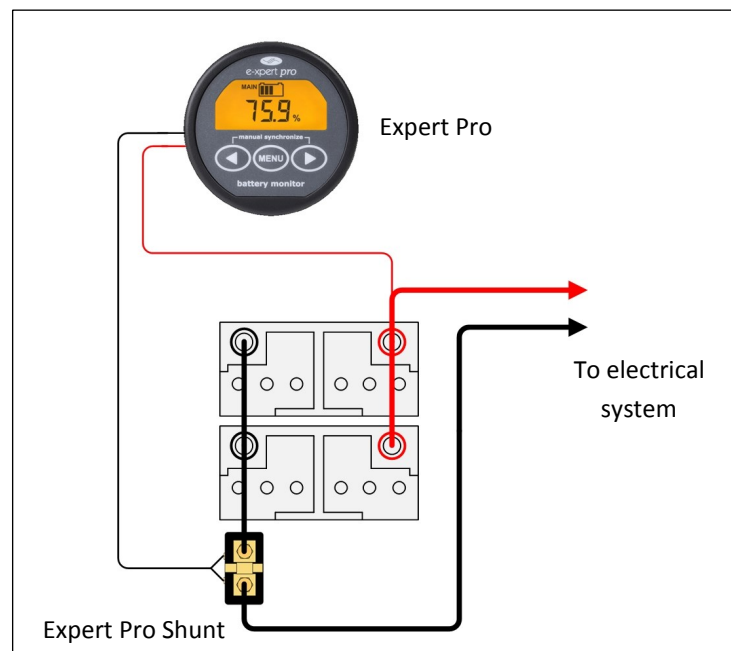# Expert Pro Battery Monitor

Designed for professional users, Expert PRO is an accurate amp-hour counting battery monitor. The unit provides additional information over the Expert Lite unit as well as historical data.

- Large display with backlight

- Displays voltage, current, consumed amp-hours, remaining battery capacity and time remaining. Optional Temperature Sensor.

- Historical information and alarm outputs

- Provides full battery information for one bank and voltage only for a second battery.

- Shunt selection capability, enables flexible system integration

Expert Pro battery monitors are compatible with all lead/acid and lithium batteries. The internal alarm relay feature allows you to run a generator when needed or to turn off devices when the battery voltage exceeds programmable boundaries. A new shunt selection feature enables the Expert Pro to measure up to 10.000Amps. Optional PC interface and software provides a windows based Dashboard and batch programming.

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

Expert Pro

To electrical system

Expert Pro Shunt

Expert Pro Battery Monitor

PART #	30-5008
PRODUCT NAME	EXPERT PRO
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	-9999..+9999A
BATTERY CAPACITY RANGE	20.9990Ah
OPERATING TEMPERATURE	-20..+50°C
STOARAGE TEMPERATURE	-30..+70°C
READOUT RESOLUTION : VOLTAGE (0..35V)	± 0.01V
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%
TIME REMAINING (0..24hrs)	± 1minute
TIME REMAINING (0..240hrs)	± 1hr
TEMPERATURES (-20..+50°C)	± 0.5°C
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