PICO LITE SET – DISPLAY

PICO Lite

Single-bank battery monitor for 12 V and 24 V systems, with one extra voltage input, one extra resistive input and the Simarine Lite app over Bluetooth

SKU
PL01



IP67
Dust & splash resistant housing

1 bank
+ 1 voltage & 1 resistive input

BT
Simarine Lite app, Android & iOS

5 mA
Power off, logger still active

01 TECHNICAL SPECIFICATIONS

Power source voltage range	**6 – 35 V DC**
Operating temperature	**–20 to +70 °C**
Power draw, BT on, 100% backlight	**90 mA @ 12 V**
Power draw, BT off, 70% backlight	**35 mA @ 12 V**
Power draw, BT off, 0% backlight	**18 mA @ 12 V**
Power off, logger active	**5 mA @ 12 V**
Connectivity	**Bluetooth · Simarine Lite app**
Dimensions, standalone	**96.6 × 82 × 10.85 mm**

Current display range	**±999.99 A, 0.01 A res.**
Voltage display range	**0 – 75 V DC, 0.001 V res.**
Capacity resolution	**±0.1 Ah**
Temperature display range	**–40 to +150 °C, 0.1 °C res.**
Monitoring capacity	**1 battery bank**
Additional inputs	**1 voltage · 1 resistive**
Ingress protection	**IP67**
Dimensions, with panel bracket	**110.15 × 96 × 14.2 mm**

02 KEY ADVANTAGES

- **Focused on one bank.** Voltage, current, state of charge and time remaining for a single battery bank, measured by the SL301 Lite shunt.
- **Two extra channels.** One voltage input for a second battery or a voltage tank sender, and one resistive input for a tank sender or temperature sensor.
- **Simarine Lite app.** Read values and history on nearby Android and iOS devices over Bluetooth, with no network required.
- **Low draw, logs when off.** 5 mA with the display off while the logger keeps recording. IP67 housing, surface or panel mount.

PICO LITE SET – SHUNT

SL301 Lite Shunt

300 A shunt for the PICO Lite, measuring battery current and voltage plus one extra voltage input and one resistive input

SKU
SL301



300 A
Continuous current

700 A
Peak current, under 1 min

±1 %
Current accuracy, 0.01 A res.

1.2 mA
Operating power draw @ 12 V

01 TECHNICAL SPECIFICATIONS

Power source voltage range	**6 – 35 V DC**
Operating temperature	**–20 to +70 °C**
Power draw	**1.2 mA @ 12 V**
Max. voltage on connections	**35 V DC**
Current measuring range	**0.1 – 700 A**
Current accuracy, sampling	**±1%, 0.01 A res. · 100 ms**
Continuous current	**300 A**
Peak current	**700 A <1 min · 400 A <5 min**

Voltage drop	**37.5 mV @ 300 A**
Voltage inputs	**2 (V1 power lead · V2 green)**
Voltage input range	**0 – 75 V DC**
Voltage accuracy, sampling	**±0.3%, 1 mV res. · 100 ms**
Resistive input	**1 × 0 – 65 kΩ, ±3%**
Temperature sensor, NTC 10K	**–13 to +80 °C, ±3%**
Dimensions (L × W × H)	**100 × 37 × 50 mm**
Battery connection	**M10 bolts**

02 CONNECTIONS

–BAT	Battery negative terminal
GND	System negative, all loads and chargers
Red	Power + and voltage input 1, via 1 A fuse
Black	Power –

Green	Voltage input 2, battery or tank
Yellow	Resistive input, tank or temperature
Cable	To PICO Lite display

03 KEY ADVANTAGES

- **Current and voltage in one unit.** Battery current and voltage sampled every 100 ms.
- **Extra channels built in.** A second voltage input and a resistive input cover a starter battery, tank or temperature sensor.
- **Handles high loads.** 300 A continuous, with peaks of 400 A for 5 minutes and 700 A for 1 minute.
- **Compact, marked terminals.** 100 × 37 × 50 mm, with M10 bolts marked –BAT and GND.