Technical Data Sheet

Programmable Battery Capacity Indicator 8·59 V



Reference | IND001R

Universal programmable indicator for battery systems from 8 to 59 V.

TECHNICAL SPECIFICATIONS

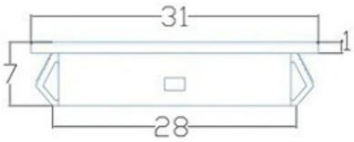
Product reference:	IND001R
Voltage:	8·59 V
Display current:	4 mA
Standby mode:	After 10 seconds
Panel cut-out:	28.5 mm
Dimensions:	Ø 31 × 7 mm

Designed for flush mounting in a panel. Remaining capacity is determined from battery voltage.

Connect directly to battery + and ·.
Factory setting: 12 V battery.

PROTECTION

· Reverse-polarity protection



Technical Data Sheet

OPERATION AND PROGRAMMING

In programming mode, save the minimum voltage (0%) and maximum voltage (100%).

Programming a voltage other than the factory setting (12 V):

1. Set the supply to between 8 and 59 V; press and hold M/A while powering on.
2. After 2 seconds, when the red LED flashes, release the button.
3. Set the minimum voltage using the supply (refer to the tables below).
4. Press M/A to save. All LEDs illuminate to confirm the setting.

The programmed settings are retained even if power is disconnected.

NMC AND LIFEPO4 VOLTAGE RANGES

Cells	NMC min (V)	NMC max (V)	LFP min (V)	LFP max (V)
3S	10.2	12.0	9.0	9.9
4S	13.6	16.0	12.0	13.2
6S	20.4	24.0	18.0	19.8
7S	23.8	28.0	21.0	23.1
8S	27.2	32.0	24.0	26.4
10S	34.0	40.0	30.0	33.0
12S	40.8	48.0	36.0	39.6
13S	44.2	52.0	39.0	42.9
14S	47.6	56.0	42.0	46.2

LEAD-ACID BATTERY VOLTAGE RANGES

Nominal	Minimum	Maximum
12 V	10.5 V	13.2 V
24 V	21.0 V	26.4 V
36 V	31.5 V	39.6 V
48 V	42.0 V	52.8 V