



Lilon

LiFePO4

SLA

DC7-55V Battery Capacity Indicator

DESCRIPTION

Voltage meter & battery capacity tester compatible with lithium-ion, lithium iron phosphate and lead-acid batteries.

Features:

1. LED real-time display: Shows both the current voltage and estimated remaining battery capacity.
2. Broad chemistry support. Compatible with:
 - Li-ion (3S to 12S)
 - LiFePO4 (3S to 14S)
 - Sealed Lead-Acid (SLA) batteries (12V to 48V)
3. Custom voltage mapping: supports other battery chemistries by allowing user-defined minimum and maximum voltage settings (0V to 55V). Example: Setting $V_{min} = 12V$ and $V_{max} = 50V$ will display a linear capacity range from 0% at 12V to 100% at 50V.
4. Adjustable backlight timer: Enables energy saving operation and extends the lifespan of the indicator board.
5. Power failure memory function: Automatically retains power level and configuration settings in the event of an unexpected shutdown.
6. Wide application compatibility: designed for lithium ternary, lithium iron phosphate, and lead-acid batteries. Ideal for use in electric vehicles (EVs), energy storage systems, industrial equipment, and residential setups.

SPECIFICATIONS

No. Test Item

Criterion

1	Operational parameter	Supply voltage	12V/24V/36V/48V
		Voltage measurement range	DC 7-55V (red display: DC 7-40V)
		Suitable for	Lilon (3S to 12S) LiFePO4 (3S to 14S) SLA (12V to 48V)
		Working current	$\leq 20mA$
2	Display	Type	LED
		Colour	Red, green, blue, white
3	Dimensions	L 46mm x W 15mm x T 3mm	

IMAGE 1

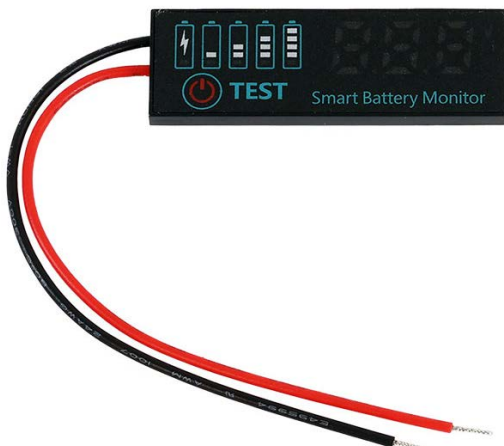


IMAGE 2





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HOW TO USE



Press and hold the button for 2 seconds on the main page to enter the setting page, press and hold the button for 2 seconds to switch to the setting page of lithium iron battery F03, press and hold the button for 2 seconds to select 03-14 battery strings, select the number of battery strings, and press and hold the button for 2 seconds to confirm (after confirming the number of battery strings is steady on and saved, the main setting is complete). Then long press the button for 2 seconds to return to the main page, or short press the button to enter the next setting page.

