

Mine EV13 Battery Characteristics Trainer introduce students to the operation of Lead-Acid and Li-ion batteries. Hands-on experiments cover the charging and discharging characteristics of lead-acid and Li-ion batteries.

- Models for study of battery characteristics of Lead-Acid and Li-iron Phosphate batteries.
- Real time and interactive training setup.
- DC Power source and charge controller.
- Meters and battery level indicator for analysis.
- Designed with all safety standards.

- Study about Battery Construction.
- Study of about Different type of Battery.
- Evaluation of charging characteristics of Battery.
- Evaluation of discharging characteristics of Battery.

Technical Specifications

Battery 1

Type : Li-iron Phosphate (Inbuilt BMS)

Voltage : 12V

Current Capacity : 6-8 Ah

Battery 2

Type : Lead Acid

Voltage : 12V

Current Capacity : 6 Ah approx

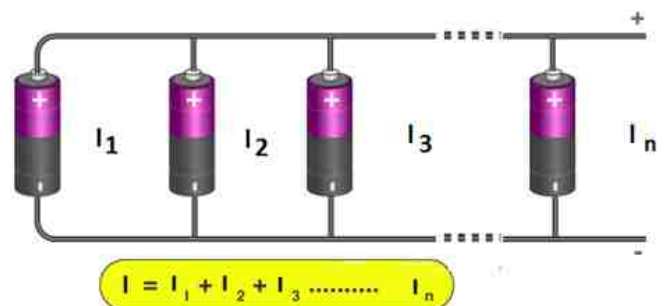
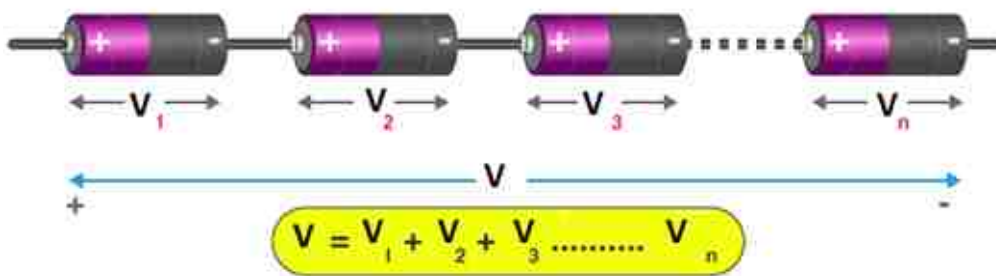
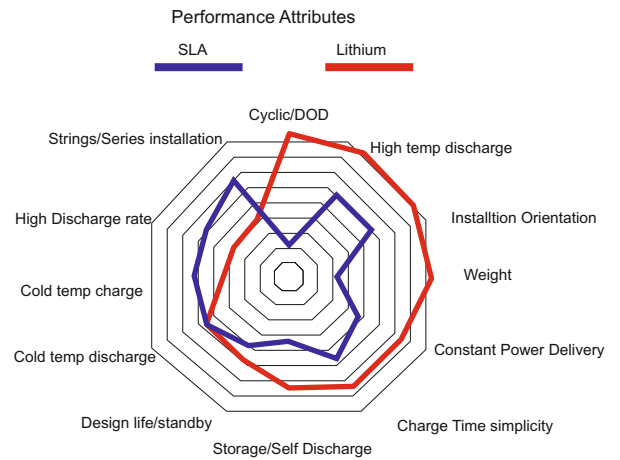
Battery Charger : 1 no. (Suitable for both)

DC Voltmeter : 0-20V

DC Ammeter : 0-10Amp

Interconnection : 4mm Patch cord

Digital Battery Level Indicator : 1 nos.



Accessories

- Operating Manual-1nos.
- Patch Cord-10 nos.
- Wall poster with attractive study content - 2Qty.

User Manual



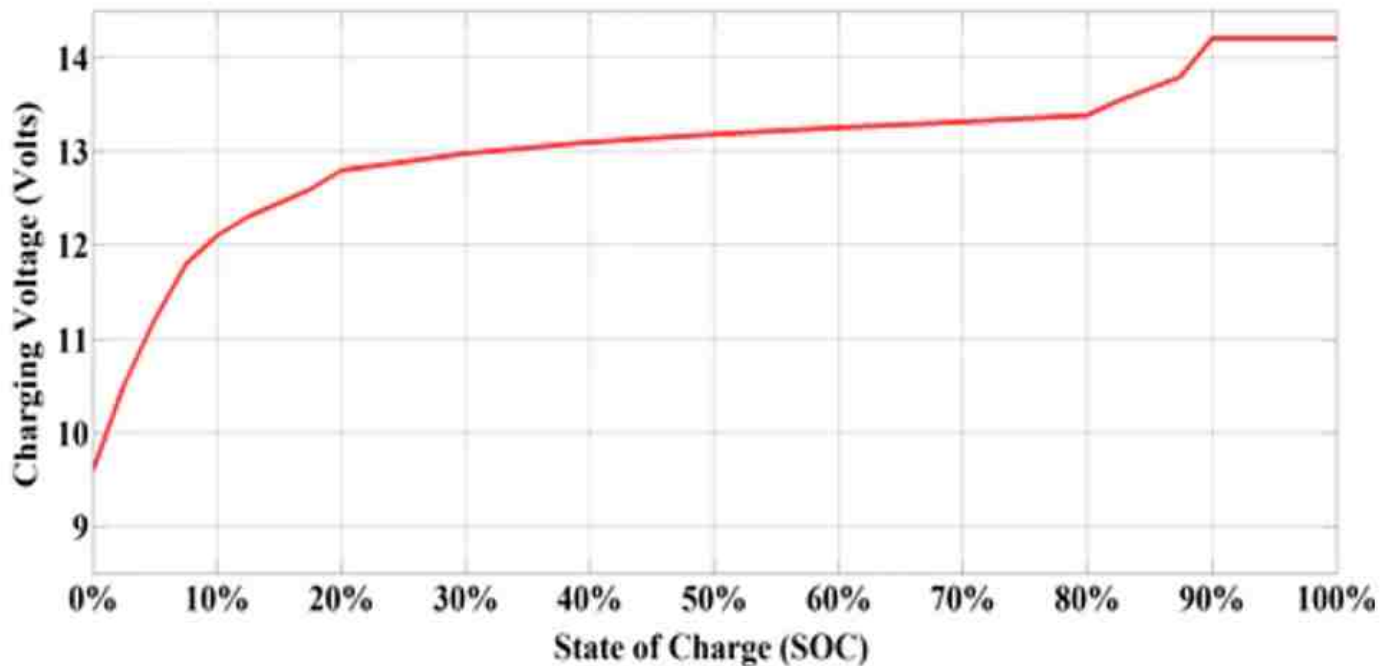
Power Cable



Patch Cord

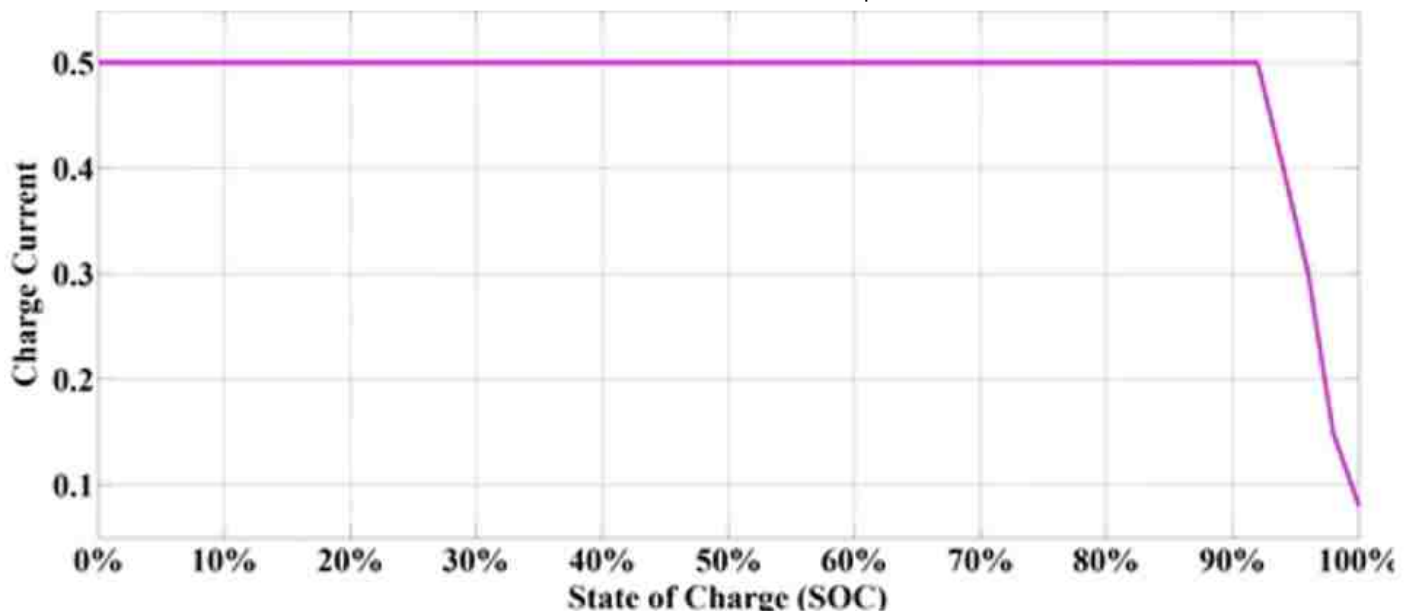


Charging curve of a LiFePO4 Battery (Charging voltage Vs SOC)



Charging curve of a LiFePO4 Battery (Charging current Vs SOC)

MI-EV13 PMDC Motor Trainer.pdf



Mine Instruments Pvt. Ltd. An ISO 9001:2015 Certified Company

67-B, First Floor, Electronic Complex, Pardeshipura, Indore-452010 (M.P.) India

e-mail: info@mineinstruments.com; sales@mineinstruments.com

www.mineinstruments.com; www.mineinstruments.in, [+91-731-4246503](tel:+91-731-4246503) [+91-6262603222](tel:+91-6262603222)

Regional [East](mailto:east@mineinstruments.com) : +91-6262601000, [West](mailto:west@mineinstruments.com) : +91-6262603777 | [North](mailto:north@mineinstruments.com) : +91-6262609000 | [South](mailto:south@mineinstruments.com) : +91-6262608000
Emails-

