

48V vs 51.2V Battery Voltage Reference

16-Cell LiFePO4 Voltage Reference

State	Per cell	16-cell pack
Absolute charge ceiling	3.65 V	58.4 V
Typical charge target	3.55-3.60 V	56.8-57.6 V
Nominal	3.2 V	51.2 V
Typical low cutoff	2.75 V	44 V
Absolute floor	2.5 V	40 V

15S vs 16S LiFePO4

	15-cell pack	16-cell pack
Pack nominal	48.0 V	51.2 V
Charge target (3.55-3.60 V/cell)	53.25-54.0 V	56.8-57.6 V
Absolute ceiling (3.65 V/cell)	54.75 V	58.4 V

Source note: Battery University BU-205 / IEC 62619