

IBUvolt®

46900 LFP Reference Cell



CELL INFORMATION

Cathode:	Lithium Iron Phosphate (LFP400)
Anode:	Synthetic Graphite

MECHANICAL CHARACTERISTICS

Diameter:	46 mm
Length:	90 mm
Weight:	Empty: 77 g / Filled: 340 g
Volume:	0.15 l

CATHODE INFORMATION

CAM content:	92%
Loading:	3 mAh/cm ²
Density:	1.7 g/cm ³
Electrode thickness:	269 μm

ELECTRICAL CELL CHARACTERISTICS

Nominal capacity at 0.2 C, 25 °C	Ah	13.6
Nominal operating voltage	V	3.2
Charging voltage	V	3.5
Recommended cut-off discharge voltage	V	2.5
Energy	Wh	43.5
AC Impedance (1k Hz)	mΩ	< 1.95
DC resistance (2 s pulse at 4 C 50% SOC)	mΩ	< 4.6
Specific energy	Wh/kg	127
Energy density	Wh/l	291
Specific power (5C, 50% SOC)	W/kg	609
Power density (5C, 50% SOC)	W/l	1380

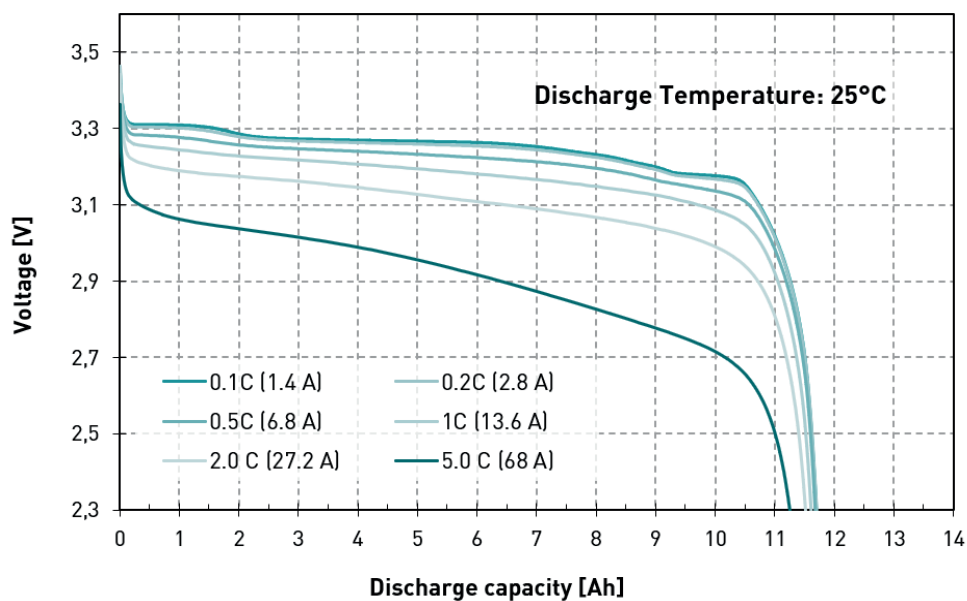
DISCHARGE CURRENT AT 25 °C

Recommended:	13.6 A (1 C)
Maximum continuous:	68 A (5 C)

DISCHARGE CURRENT AT -20 °C

Recommended:	2.8 A (0.2 C)
Maximum continuous:	13.6 A (1 C)

RATE CAPABILITY AT ROOM TEMPERATURE



RATE CAPABILITY AT DIFFERENT TEMPERATURES

