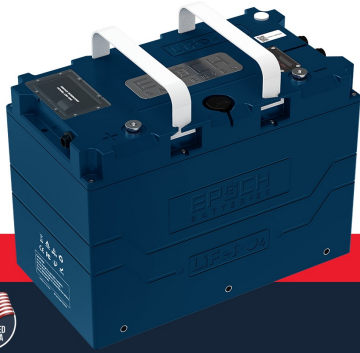




EP^oCH
BATTERIES

DATA SHEET

C12314A-A

Voltage: 12.8V | Capacity: 314Ah | Energy: 4019 Wh



Features: IP67, Bluetooth, Self-Heating

11 YEAR
MANUFACTURER
WARRANTY

ELECTRICAL SPECIFICATIONS

Nominal Voltage:	12.8V
Nominal Capacity:	314Ah
Cell Configuration:	4S1P
Max Charge Voltage:	14.6V
Operating Voltage Range:	10.0 - 14.6V
Self Discharge:	<3% per Month
Series Connections:	Max (4) in Series
Parallel Connections:	Max (16) in Parallel, Plug & Play
Low-Temperature Charge Protection:	Yes
Self-Heating:	Yes
Bluetooth:	Yes
Software Updates:	Yes (Over-the-air)
T-Class Fuse:	Yes - EATON Bussman 400A

DISCHARGE SPECIFICATIONS

Max Continuous Discharge:	200A
Max Discharge 10 Sec:	400A
Discharge Temp Range:	-20°C (-4°F) / 55°C (131°F)

TEMPERATURE SPECIFICATIONS

Discharge Temperature:	-20°C (-4°F) / 55°C (131°F)
Charge Temperature:	-30°C (-22°F) / 55°C (131°F)
Recommended Storage Temperature:	0°C (32°F) / 35°C (95°F)

MECHANICAL SPECIFICATIONS

Dimensions (L x W x H):	15.75" x 8.66" x 11.71"
Weight:	66lbs
Case Material:	ABS & PC blend, (UL94-V0 flame rating)
Enclosure Protection:	IP67
Cell Type - Chemistry:	Prismatic - LiFePO4

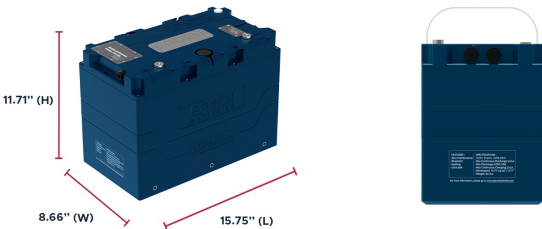
CHARGE SPECIFICATIONS

Victron Setup (Automatic BMS Control):	Turn DVCC ON, set controlling BMS to Epoch
Max Continuous Charge:	200A
Max Charge 5 Sec:	400A
Bulk/Absorption:	14.2V
Absorption End Condition:	15 min max
Float Voltage:	13.5V
Re-bulk:	13.3V
Temperature Compensation:	0mV/°C (none)
Equalization:	Disabled
Battery Charge Temperature Range:	-30°C (-22°F) / 55°C (131°F) (*with self-heating)
BMS High Voltage Cutoff:	14.6V
SoC Recalibration:	14.6V Manual / Custom algorithm when operating under Victron Comms

COMPLIANCE SPECIFICATIONS

Certifications	UL 1642 (Cells) UL 9540A (Cells) UL 1973 (Pack) UL 60691 (Fuse) IEC 62619:2022 CE, RoHS
Shipping Classification	UN 3480, CLASS 9

DIMENSIONAL SPECIFICATIONS



Epochbatteries.com

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