

BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

WattCycle 48V 314Ah LiFePO4 Solar Battery with Active Balancing & Bluetooth

48 V nominal • 314 Ah • 16070 Wh • LiFePO4 chemistry

48 V
NOMINAL VOLTAGE

314 Ah
RATED CAPACITY

16070 Wh
RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	300 A
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Features and physical data

PVShop model	PVS-BAT-9E6494C1ED
Cell chemistry	LiFePO4
Product features	Bluetooth monitoring, low-temperature charge protection, active balancing

Selection note

Match nominal voltage, current limits, charge profile, physical size and environmental rating to the complete installation. Cable, fuse, busbar and disconnect ratings must follow the documented continuous current and local electrical rules.

DETAILED SPECIFICATION RECORD

WattCycle 48V 314Ah LiFePO4 Solar Battery with Active Balancing & Bluetooth

Additional manufacturer ratings

Communication Protocol	RS485, CAN, RS232
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Evidence and revision control

PVShop model	PVS-BAT-9E6494C1ED
Manufacturer record	Current manufacturer product page and available manufacturer documents
Evidence review date	12 September 2026
Specification policy	Published values reproduced without performance estimates; undocumented fields remain blank

SOURCE STATUS	Manufacturer-stated; not independently laboratory tested by PVShop.
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The source was reviewed on 12 September 2026. Ratings omitted by the manufacturer are intentionally left blank. Manufacturer pages can change; use the issue date and PVShop model above when requesting technical support.

Safety: follow the installation manual. Do not short-circuit, crush, puncture, dismantle or expose the battery to fire. Do not charge outside the published temperature range. Use a compatible CC/CV LiFePO4 charger and suitable over-current protection. A deep-cycle model is not a starting battery unless the manufacturer explicitly provides a starting-current rating.