BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

WattCycle 12V 314Ah Mini Self-heating LiFePO4 Battery

12.8 V nominal • 314 Ah • 4019 Wh • LiFePO4 chemistry

12.8 V	314 Ah	4019 Wh
NOMINAL VOLTAGE	RATED CAPACITY	RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	200 A
Maximum continuous discharge current	200 A
Peak discharge current	210 A
Maximum charge current	200 A
Recommended charge current	62.8 A

Features and physical data

PVShop model	PVS-BAT-7BE3D236BB
Cell chemistry	LiFePO4
Product features	self-heating
Dimensions (L × W × H)	383 x 194 x 250 mm
Weight	27.95 kg
Ingress protection	IP65

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 12V 314Ah Mini Self-heating LiFePO4 Battery

Additional manufacturer ratings

Heating Function	✓ Yes (Below 0°C)
Cell Balancer	Passive Balancer
Dimensions (L × W × H)	383 x 194 x 250 mm
Certifications	ECE R10
Terminals	M8 Bolts
Warranty	5 Years
Bluetooth	Yes, Bluetooth 5.0
Monthly Self Discharge	≤3%/Month
Series / parallel configuration	Max. 4 in Parallel, Max. 4 in Series
Charging Temperature	0℃-55℃
Discharging Temperature	-20℃-60℃
Storage Temperature	0℃-45℃

Evidence and revision control

PVShop model	PVS-BAT-7BE3D236BB
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.

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.