BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

WattCycle 24V 50Ah Deep Cycle Marine Battery for Trolling Motor

25.6 V nominal • 50 Ah • 1280 Wh • LiFePO4 chemistry

25.6 V	50 Ah	1280 Wh
NOMINAL VOLTAGE	RATED CAPACITY	RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	50 A
Maximum continuous discharge current	50 A
Maximum charge current	50 A
Recommended charge current	10 A
Charge voltage	29.2 V

Features and physical data

PVShop model	PVS-BAT-E14F24C908
Cell chemistry	LiFePO4
Product features	Bluetooth monitoring, low-temperature charge protection
Dimensions (L × W × H)	L260 x W168 x H212 mm
Weight	9.35 kg
Ingress protection	IP65
Maximum batteries in parallel	4 batteries
Maximum batteries in series	2 batteries

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 24V 50Ah Deep Cycle Marine Battery for Trolling Motor

Additional manufacturer ratings

Dimensions (L × W × H)	L260 x W168 x H212 mm
Terminals	M8 Bolts
Warranty	5+2 Years
Certifications	IEC, CE-EMC, CE-RoHS, CE-Battery, FCC-SDOC, UN38.3
Monthly Self Discharge	≤3%/Month
Series / parallel configuration	Max. 4 in Parallel, Max. 2 in Series
Charging Temperature	0℃-55℃
Discharging Temperature	-20℃-60℃
Storage Temperature	0℃-45℃

Evidence and revision control

PVShop model	PVS-BAT-E14F24C908
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.