

BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

# WattCycle 36V 50Ah Deep Cycle Marine Battery for Trolling Motor

38.4 V nominal • 50 Ah • 1920 Wh • LiFePO4 chemistry

**38.4 V**  
NOMINAL VOLTAGE

**50 Ah**  
RATED CAPACITY

**1920 Wh**  
RATED ENERGY

## Electrical and BMS limits

|                                      |        |
|--------------------------------------|--------|
| BMS continuous current rating        | 50 A   |
| Maximum continuous discharge current | 50 A   |
| Recommended charge current           | 10 A   |
| Charge voltage                       | 43.8 V |

## Features and physical data

|                        |                                                         |
|------------------------|---------------------------------------------------------|
| PVShop model           | PVS-BAT-BDA2CD20BB                                      |
| Cell chemistry         | LiFePO4                                                 |
| Product features       | Bluetooth monitoring, low-temperature charge protection |
| Dimensions (L × W × H) | L333 x W176 x H221 mm                                   |
| Weight                 | 13.55 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 36V 50Ah Deep Cycle Marine Battery for Trolling Motor

## Additional manufacturer ratings

|                                 |                                                    |
|---------------------------------|----------------------------------------------------|
| Dimensions (L × W × H)          | L333 x W176 x H221 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                                 |
| Charging Temperature            | 0°C-55°C                                           |
| Discharging Temperature         | -20°C-60°C                                         |
| Storage Temperature             | 0°C-45°C                                           |

## Evidence and revision control

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| PVShop model         | PVS-BAT-BDA2CD20BB                                                                          |
| 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.