

BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

WattCycle 48V 628Ah 32kWh Home Battery with Active Balancing & Bluetooth

48 V nominal • 628 Ah • 32000 Wh • LiFePO4 chemistry

48 V
NOMINAL VOLTAGE

628 Ah
RATED CAPACITY

32000 Wh
RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	300 A
Maximum charge current	300 A

Features and physical data

PVShop model	PVS-BAT-45278D6858
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 628Ah 32kWh Home Battery with Active Balancing & Bluetooth

Evidence and revision control

PVShop model	PVS-BAT-45278D6858
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.