

BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

LiTime 12V 165Ah Dual-Purpose Self-Heating Marine Battery

12.8 V nominal • 165 Ah • 2112 Wh • LiFePO4 chemistry

12.8 V
NOMINAL VOLTAGE**165 Ah**
RATED CAPACITY**2112 Wh**
RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	150 A
Maximum continuous discharge current	150 A
Peak discharge current	1200 A
Peak discharge duration	5 s
Maximum charge current	150 A
Recommended charge current	33 A
Charge voltage	14.4 V

Features and physical data

PVShop model	PVS-BAT-B3330CFD6F
Cell chemistry	LiFePO4
Product features	Bluetooth monitoring, self-heating
Dimensions (L × W × H)	L330*B172*H216 mm
Weight	15.19 kg
Ingress protection	IP67
Terminals	M8-bolts
Charging temperature	-20°C to 50°C
Discharging temperature	-20 °C to 60°C
Storage temperature	-10°C to 45°C
Maximum batteries in parallel	4 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

LiTime 12V 165Ah Dual-Purpose Self-Heating Marine Battery

Additional manufacturer ratings

Series / parallel configuration	Dual Purpose: 4P1S; Energiespeicher: 4P4S	Terminals	M8-bolts
Cycle life	≥ 5000+ starting cycles	Dimensions (L × W × H)	L330*B172*H216 mm
Certifications	FCC,CE,RoHS,UN38.3,CE RED,FCC ID	Housing material	ABS
Charging temperature	-20°C to 50°C	Ingress protection	IP67
Discharging temperature	-20 °C to 60°C	Starting current	1500A
Storage temperature	-10°C to 45°C	Marine cranking current	1300A
Low-temperature charge protection	✓ low-temperature charge protection	Cold-cranking current	1200A(-10°C)
Automatic low-temperature recovery	≥5 °C		

Evidence and revision control

PVShop model	PVS-BAT-B3330CFD6F
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.