

BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

LiTime 12V 12Ah Deep-Cycle LiFePO4 Battery

12.8 V nominal • 12 Ah • 153.6 Wh • LiFePO4 chemistry

12.8 V
NOMINAL VOLTAGE

12 Ah
RATED CAPACITY

153.6 Wh
RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	12 A
Maximum continuous discharge current	12 A
Peak discharge current	75 A
Peak discharge duration	1 s
Recommended charge current	2.4 A
Charge voltage	14.4 V

Features and physical data

PVShop model	PVS-BAT-321A45E16B
Cell chemistry	LiFePO4
Product features	integrated battery management
Dimensions (L × W × H)	L 151 x B 98 x H 95 mm
Weight	1.5 kg
Ingress protection	IP65
Storage temperature	-10°C to 50°C

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 12Ah Deep-Cycle LiFePO4 Battery

Additional manufacturer ratings

Cycle life	4000 mal
Storage temperature	-10°C to 50°C
Dimensions (L × W × H)	L 151 x B 98 x H 95 mm
Housing material	(ABS)plastic
Ingress protection	IP65

Evidence and revision control

PVShop model	PVS-BAT-321A45E16B
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.