BATTERY SYSTEMS / MANUFACTURER-STATED RATINGS

WattCycle 12V 628Ah With ECE R10 Version Battery

12.8 V nominal • 628 Ah • 8038 Wh • LiFePO4 chemistry

12.8 V	628 Ah	8038 Wh
NOMINAL VOLTAGE	RATED CAPACITY	RATED ENERGY

Electrical and BMS limits

BMS continuous current rating	300 A
Maximum continuous discharge current	300 A
Recommended charge current	125.6 A

Features and physical data

PVShop model	PVS-BAT-DFCA65A6C7
Cell chemistry	LiFePO4
Product features	Bluetooth monitoring, low-temperature charge protection
Dimensions (L × W × H)	L480 x W362 x H242 mm
Weight	59.81 kg
Ingress protection	IP65
Maximum batteries in parallel	4 batteries
Maximum batteries in series	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

WattCycle 12V 628Ah With ECE R10 Version Battery

Additional manufacturer ratings

Dimensions (L × W × H)	L480 x W362 x H242 mm
Terminals	M8 Bolts
Warranty	5 Years
Certifications	IEC, CE-EMC, CE-RoHS, CE-Battery, FCC-SDOC, UN38.3, MSDS
Monthly Self Discharge	≤3%/Month
Series / parallel configuration	Max. 4 in Parallel, Max. 4 in Series
Charging Temperature	0℃-55℃
Discharging Temperature	-20℃-60℃
Storage Temperature	0℃-45℃

Evidence and revision control

PVShop model	PVS-BAT-DFCA65A6C7
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.