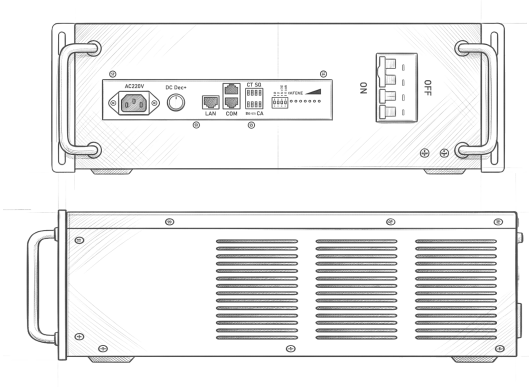
UE-240LI27

240 V 27 Ah



Product overview

UE-240LI27 is a high-voltage LiFePO4 lithium battery designed as power backup for UPS systems in distributed data centres, financial institutions, rail transit and large industrial and mining facilities. It combines high-safety LFP cells with an intelligent BMS, offering safe, reliable and stable operation with low self-discharge. Its modular design is compatible with two-wire and three-wire systems and makes installation and capacity expansion simple.



Upower UE-240LI27

Features

- Cycle life > 5000 cycles (1C, 80% DOD) and 20-year design life.
- Modular design: simple combination and quick installation.
- Integrated functions. Smart balancing good consistency. Multiple comms options.
- Flexible compatibility. Compatible with two-wire three-wire systems.
- Multiple series and parallel, ease of capacity expansion. Supports series and parallel connections.
- Eco-Friendly, low self-discharge. Monthly self-consumption ≤ 2%.

Master Battery S.A.
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DENOMINATION	UE-240LI27

MAIN TECHNICAL SPECIFICATIONS	
Cell Type	Square LFP
Nominal Voltage	240 V
Nominal Capacity	27 Ah
Total Energy	6480 Wh
Cycle Life	5000 times (1C 80% DOD)

ELECTRICAL SPECIFICATIONS	
Rec. Charge Voltage	255 ~ 258.75 V
Charge Cut-off Voltage	< 270 V
Balancing Voltage	> 255 V
Rec. Charge Current	13 A
Max. Charge Current	27 A
Max. Output Power	25 kW
Standard Discharge Time	21 kW @ 15 min
Rated Discharge Cut-off Voltage	210 V
Minimum Discharge Cut-off Voltage	> 187.5 V
Short-circuit Current	Approx. 3200 A

PERFORMANCE DATA (CONSTANT POWER / CONSTANT CURRENT)	
15 min	21 kW / 98 A
20 min	16 kW / 75 A
30 min	12.8 kW / 54 A
60 min	6.4 kW / 27 A
120 min	3.2 kW / 13.5 A

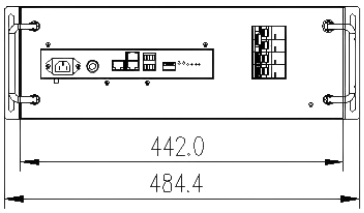
OPERATING CONDITIONS	
OPERATING TEMPERATURE	
Charge	0 ~ +45 °C
Discharge	-20 ~ +60 °C
Storage Temperature	-5 ~ +35 °C
Self-discharge	≤ 2% / Month

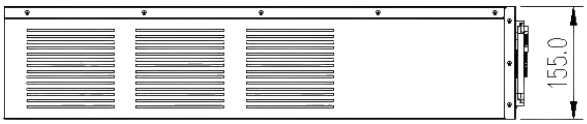
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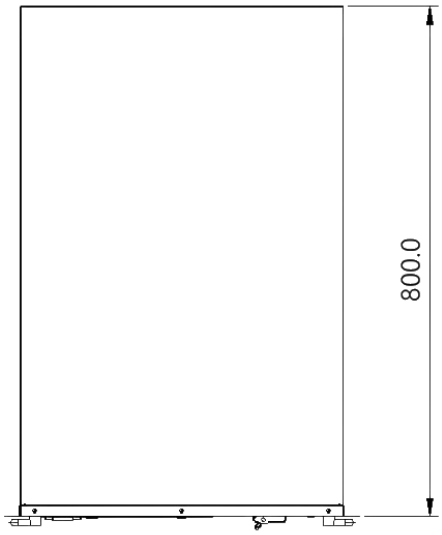
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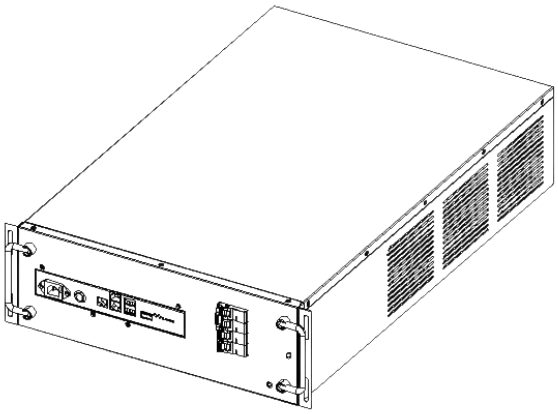
OTHER SPECIFICATIONS	
Terminal	Anderson
IP Grade	IP21
Dimensions (W*D*H, mm)	442*800*155
Weight	69.5 kg
Certifications	UN38.3
Transport Appraisal	UN3480, Class 9

Dimensions



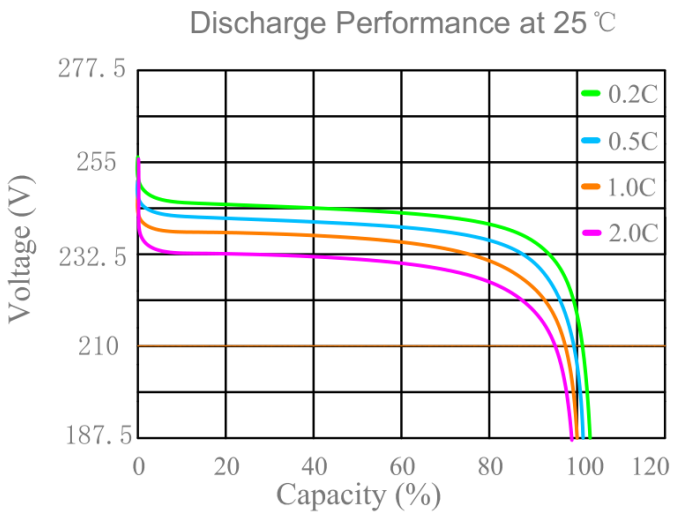


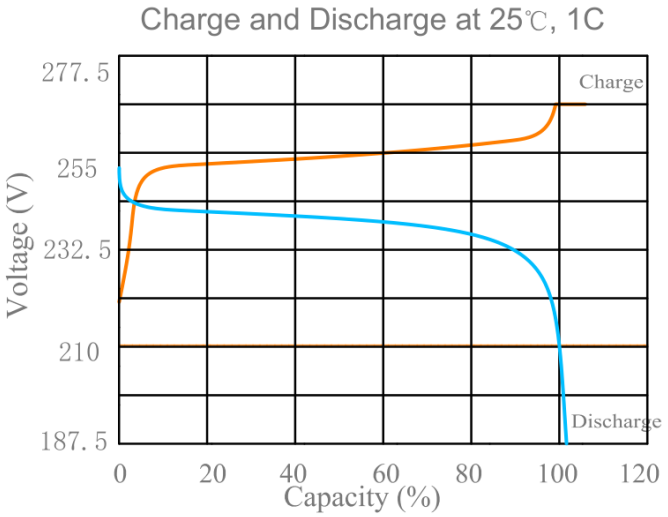


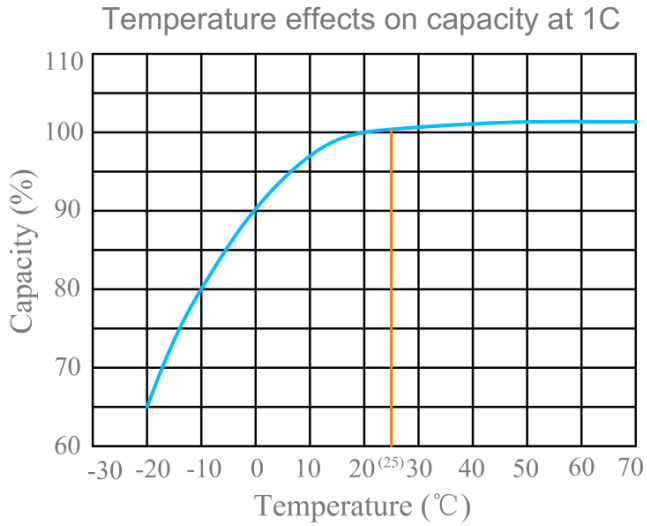


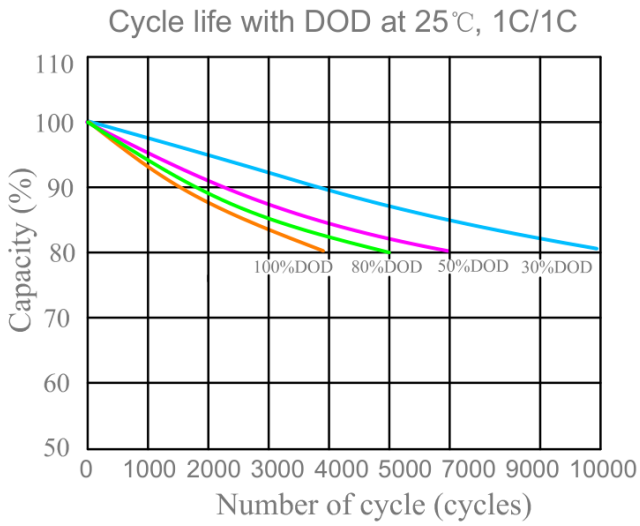
DENOMINATION	UE-240LI27

Characteristics curves









Cautions:
1.- Do NOT short circuit, crush or disassemble.
2.- Do NOT heat or incinerate.
3.- Do NOT immerse in any liquid.
4.- Store at 50% capacity. Recharge every 6 months. The storage area should be clean, cool, dry and ventilated.
5.- Disconnect charging source prior to connecting or disconnecting battery terminals.
6.- Do NOT dispose of batteries in a fire as they can explode.
7.- Do NOT open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes. It may be toxic.
8.- Do NOT mix different types and brands of lithium-ion batteries.
9.- Do NOT dispose in trash, follow local regulations and manufacturer's instruction.
10.- See installation instructions before connecting to the supply.
11.- The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De-energize this unit before installing or servicing. Wait 5 minutes before opening the unit.
12.- Do NOT install on or over combustible surfaces.
13.- Refer to manual before servicing.
14.- Do NOT touch bare terminals.
*Specifications are subject to change without prior notice.