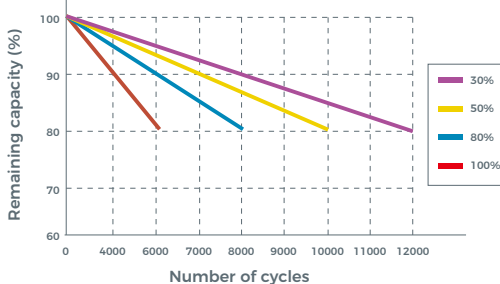




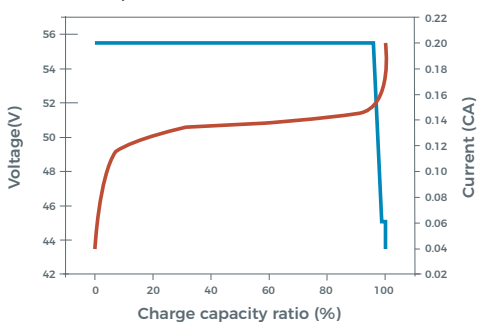
BEAM LiFePO4 Domestic Battery System

12,5 kWh | 51,2 V | LiFePO4

**DIFFERENT DOD DISCHARGE
CYCLE LIFE CURVE @1C**



**CHARGE PERFORMANCE AT
25 °C, 0.2C RATE**



Long life cycle

Guaranteed lifespan of 6000 charging/discharging cycles



Lithium iron phosphate technology

Long lifespan, fast charging/discharging, high power output



Smart BMS

Intelligent battery management system for high performance and maximum safety



PC/Web/App access

Access (24/7) to power management system via PC, web or smartphone (App)



High safety

Heavily tested (crush & squeeze, nail penetration, dropping, thermal abuse, short circuit, high-low temp, over-charge, over-discharge, high-rate, etc.)



Fire extinguishing system

Fire prevention by use of integrated fire extinguishing gel

SPECIFICATIONS

Battery type	LiFePO ₄
Nominal energy	12.5 kWh
Nominal capacity	250 Ah
Nominal voltage	51.2 V
Operating voltage	44.8-57.6 V
Recommend charge/discharge current	100 A
Max. continuous charge/discharge current	150 A
Peak charge/discharge current (15s)	200 A
Scalability	Max. 15 pcs in parallel (187 kWh)
Depth of discharge (DOD)	≥95%
Display type	LCD
Protection level	IP21
Working temperature range	Charge: 0-55°C / discharge: -20-55°C
Storage temperature range	0-35°C
Humidity	5-95%
Altitude	≤2000 m
Communication	RS485 / CAN
Cycle Life	≥6000 cycles
Installation	Wall-mounted / floor-mounted
Protection	Built-in smart BMS, breaker, fuse
Warranty period	10 years
Product weight	92 kg
Package weight	110 kg
Product dimensions	783 × 450 × 274 mm
Package dimensions	900 × 570 × 450 mm

RECOMMENDED SETTINGS

Max. charging voltage	57.6 V
Floating charging voltage	57.6 V
Max. charging current	150 A * N
Cut-off voltage	48 V

[1] Max. continuous charge/Discharge current is affected by temperature and SOC.

[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.

[3] Conditions apply, refer to FelicityESS Warranty policy.

Lithium battery pack is not same as lead-acid battery, so for the devices which you connect with the battery pack for charging or discharging, such as inverters, MPPT charger controllers or UPS, please implement pre-settings as recommended settings as below before you launched them.

Notes: 'N' means the number of battery packs connected in parallel.

