

MKS-GP51105F(51.2V105Ah)

LEOCH Provides Safe and Efficient LFP Battery Solutions

LEOCH Series adopt high rate and long life LFP cell, inbuilt premium BMS system. Lithium battery has superior performance and longevity compared to lead-acid motive batteries, come with only 40% of the lead-acid weight and more than twice the lifespan of lead-acid starter batteries. Higher charging acceptance.

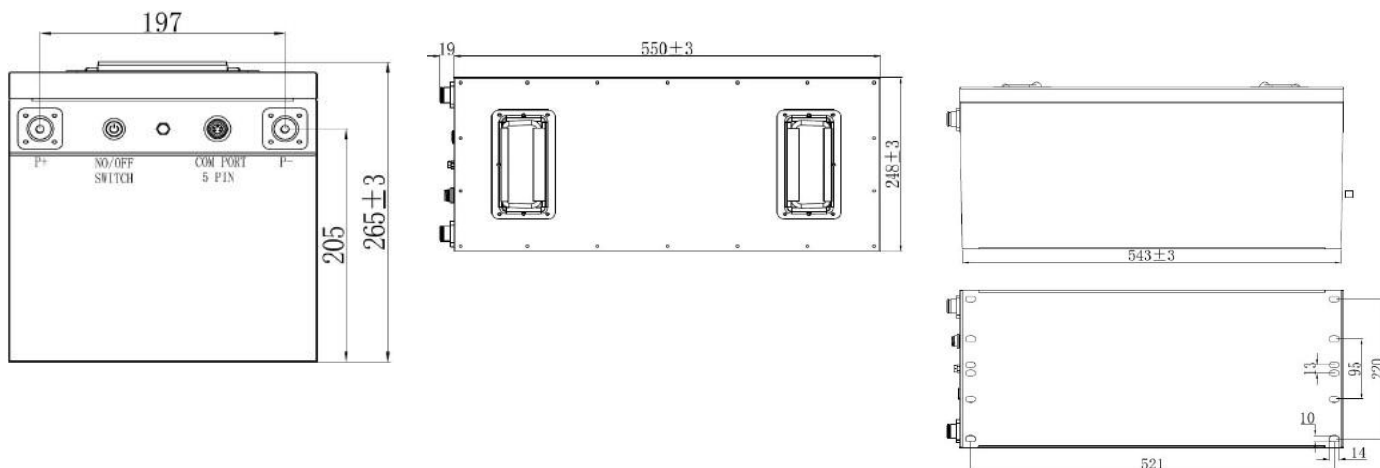
Features

- Safest Lithium Battery Technology
- Lighter Weight
- Eco-friendly
- Longer Life
- Multiple Safety Protection
- Intelligent Balancing Function
- 20 Years Designed Service Life

Performance

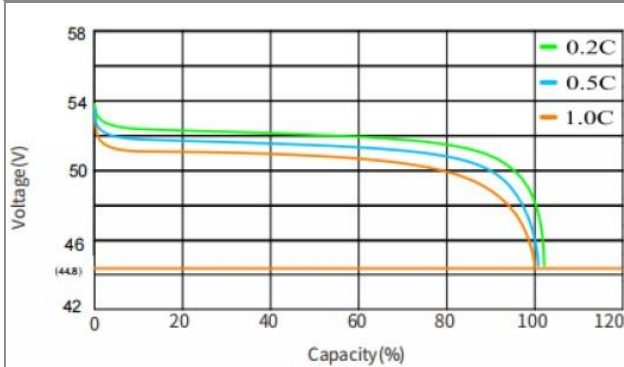
Cell	Prismatic LFP	Capacity	105Ah@0.5C25°C
Rated Charge Current	20A	Nominal Voltage	51.2V
Rated Discharge Current	105A	Energy	5.376KWh
Terminal	M8	Weight	48kg
Max. Charge Current	105A	Dimensions	550X248X265mm
Max .Discharge Current	200A(>20min)	Storage Temp	-10°C to 35°C
Pulse Current	400A(≤30s)	Discharge Temp	-20°C to 55°C
Rated Charge Voltage	58.4V	Charge Temp	-20°C to 55°C(charge heating)
Rated Discharge Cut-off Voltage	44.8V	Self Discharge	≤2%/Month
Charge Cut-off Voltage	58.4V	Cycle Life	5000times(80%DOD)
Min. Discharge Cut-off Voltage	>42.5V	IP Grade	IP65
Certifications	UN38.3	Pack Internal resistance	≤16mΩ

Size

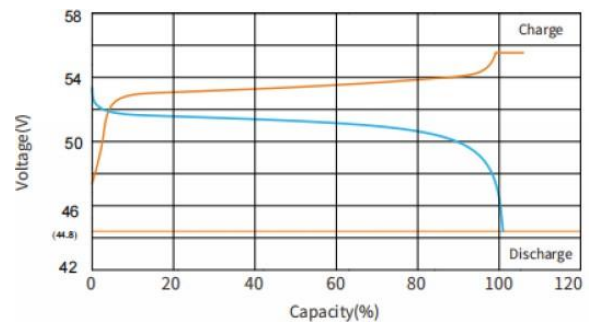


Characteristics Curve

Discharge Performance at 25°C



Charge and Discharge at 25°C, 0.5C



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.