

MKS-GP48105(48V105Ah)

MKS Provides Safe and Efficient LFP Battery Solutions

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

Higher charging acceptance.

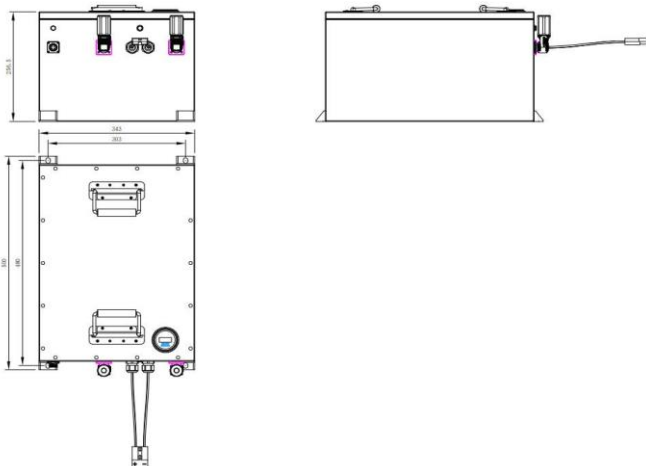
MKS the shining star of starting lithium.

Features

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



PACK Style



Performance

| Cell | Square LFP 105Ah |
|---------------------------------|--------------------|
| Rated Charge Current | 50A |
| Rated Discharge Current | 100A |
| Terminal | M8 |
| Max. Charge Current | 100A |
| Pulse Current | 200A(5s) |
| IP Grade | IP65 |
| Rated Charge Voltage | 51~51.7V |
| Rated Discharge Cut-off Voltage | 42V |
| Self Discharge | <=2%/Month |
| Charge Cut-off Voltage | 54V |
| Min. Discharge Cut-off Voltage | >37.5V |
| Cycle Life | 4000times(80%DOD) |
| Balancing Voltage | 51V |
| Short Circuit Current | Approx.4000A |

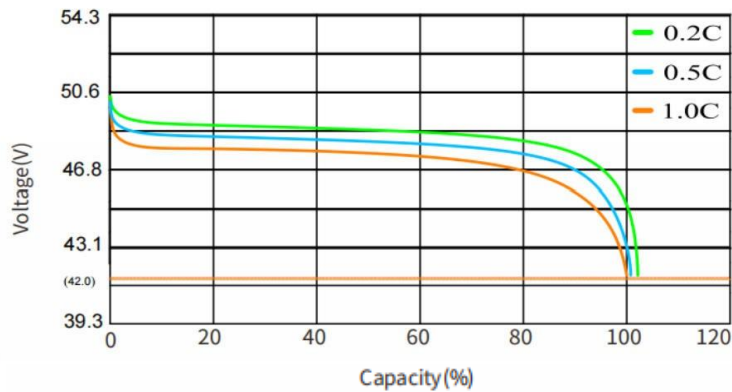
Performance

| | |
|-----------------|-----------------|
| Capacity | 105Ah@25°C0.5C |
| Nominal Voltage | 48V |
| Energy | 5.040KWh |
| Weight | 46.5kg |
| Dimensions | 500*343*256.5mm |
| Storage Temp | -5°C to 35°C |
| Discharge Temp | 0°C to 45°C |
| Charge Temp | - 20°C to 60°C |

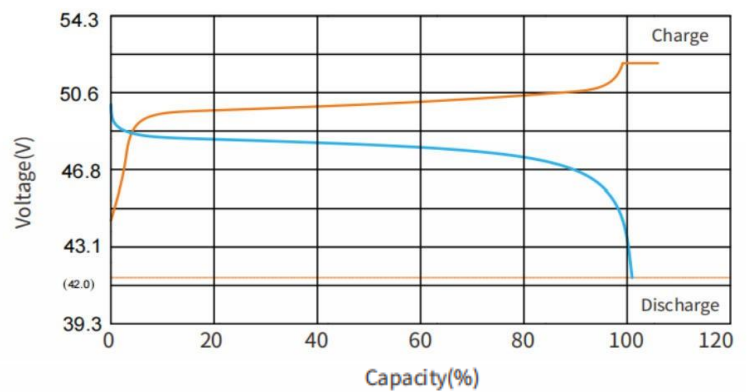
Compliance

| | |
|---------------------|----------------|
| Certifications | CE/UN38.3 |
| Transport Appraisal | UN3480,CLASS 9 |

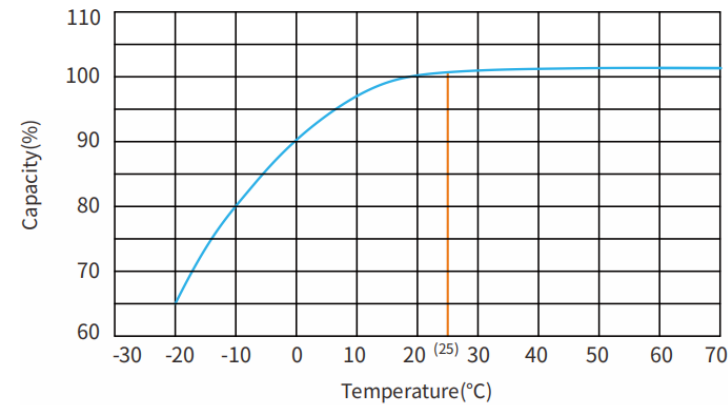
Discharge Performance at 25°C



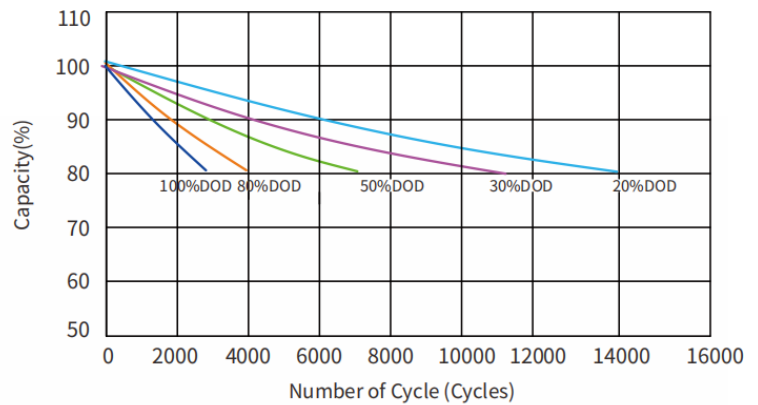
Charge and Discharge at 25°C, 0.5C



Temperature Effects on Capacity at 0.5C



Cycle Life with DOD at 25 °C 1C Discharge and 1C Charge



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.

Service hotline
400-689-3809 400-860-0092

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