DMEGC

Quick Installation Guide

--H01 Lithium-ion Battery

V1.0

I Packing List

Note: The quick installation guide briefly describes required installation steps. If you have any questions during the installation, please refer to the User Manual for more detailed information.

H01 battery master/bottom case and accessories


H01 Battery Master x1


Positive plug x1


Negative plug x1


RJ45 Plug x2


User manual x1


Ground terminal x1


Butterfly nut x4


Wi-fi Monitor x1

I Packing List


Quick Installation Guide x1


H01 bottom case x1

H01 battery slave and accessories


H01 Battery Slave x1


Butterfly nut x4

II Installation Prerequisites

Make sure that the installation location meets the following conditions:

- The building is designed to withstand earthquakes
- The location is far away from the sea, to avoid sea water and humid air
- The floor is flat and level
- There are no flammable or explosive materials nearby
- The ambience is shady and cool, keep away from heat as well as direct sunlight
- The temperature and humidity stay at a constant level
- There is minimal dust and dirt in the area
- There is no corrosive gases present, including ammonia and acid vapor
- The ambient temperature is with the range from 0℃ to 55℃ and the optimal ambient temperature is between 15℃ and 35℃

Notice

The H01 battery is rated at IP65 and thus can be installed outdoors as well as indoors. However, if installed outdoors, do not expose the battery to directly sunlight and moisture

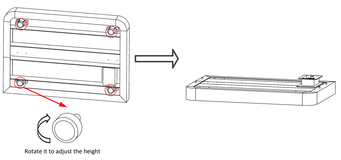
Notice

If the ambient temperature is beyond the operating range, the battery pack will stop operating to protect itself. The optimal temperature range for the battery pack to operate is from 15℃ to 35℃. Frequent exposure to harsh temperatures may deteriorate the performance and lifetime of the battery module.

III Battery Installation

1. Bottom Case Installation

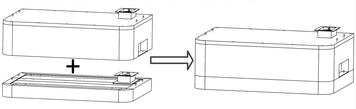
-Adjust the feet manually so that the bottom case can be on the ground steadily


Rotate it to adjust the height

III Battery Installation

2. Battery Slave Installation

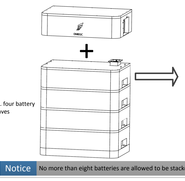
-Place the battery slave onto the bottom case (2≤ Qty of battery slave ≤8)



III Battery Installation

3. Battery Master Installation

-Place the battery master onto the battery slave

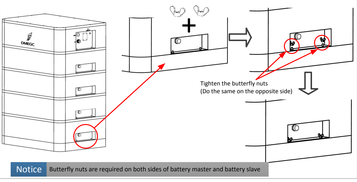

Eg. four battery slaves

Notice No more than eight batteries are allowed to be stacked

III Battery Installation

4. Fix the battery master, slave and bottom case

-Fix battery slave and bottom, battery master and battery slave with butterfly nuts


Tighten the butterfly nuts (Do the same on the opposite side)

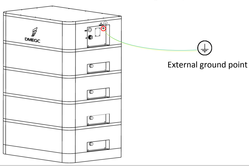
Notice Butterfly nuts are required on both sides of battery master and battery slave

IV Ground cable connection

-Crimping Ground terminal


Ground terminal

Crimp terminals according to the distance between battery and external ground point


External ground point

V Communication cable connection

1.Battery to inverter communication cable connection

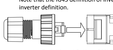
Caution:

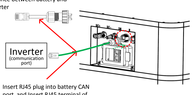
When Crimping RJ45 plug terminal, only 2,4 and 5 PIN are needed. 4PIN is CAN_H and 5PIN is CAN_L.2PIN is ground. Note that the RJ45 definition of inverter refer to the inverter definition.

-Crimping RJ45 plug terminal


Take out RJ45 plug of battery master and RJ45 terminal of inverter

Crimp terminals according to the distance between battery and inverter


Definition of Battery CAN Port


Inverter (communication port)

Insert RJ45 plug into battery CAN port and insert RJ45 terminal of inverter into inverter COM port

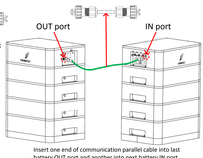
V Communication cable connection

2.Battery to battery communication cable connection (Only used when battery cluster in parallel)

-Crimping RJ45 plug terminal


Take out RJ45 plug from two battery master accessories

Crimp terminals according to the distance between battery and battery


OUT port

IN port

Insert one end of communication parallel cable into last battery OUT port and another into next battery IN port

VI Power cable connection

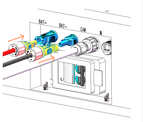
1.Single Battery cluster


Positive plug (+)

Crimp terminals according to the distance between battery and inverter

Negative plug (-)

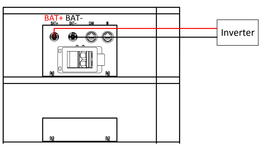
Crimp terminals according to the distance between battery and inverter


Insert positive plug and negative plug into battery port

VI Power cable connection

1.Single Battery cluster

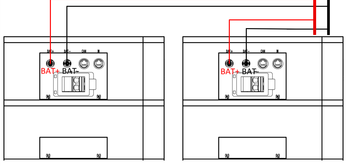
-Power Wiring Diagram



VI Power cable connection

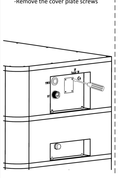
2.Battery cluster in Parallel

-Power Wiring Diagram

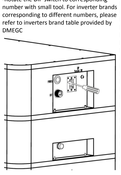


VII Set DIP switch

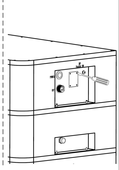
-Remove the cover plate screws



-Rotate the DIP switch to corresponding number with small tool. For inverter brands corresponding to different numbers, please refer to inverters brand table provided by DMEGC



-Reinstall the cover plate



VIII Set parallel switch

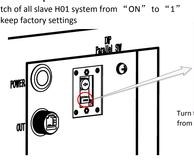
-Single battery cluster

-Keep factory settings, remaining it at “ON”

-Battery cluster in parallel

-Turn the switch of all slave H01 system from “ON” to “1”

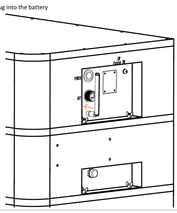
- The master keep factory settings



Turn the switch of all slaves from “ON” to “1” when in parallel

VIII Wi-fi monitor installation

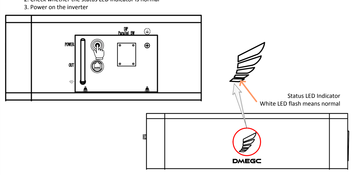
Take out Wi-fi monitor and plug into the battery



IX Commssioning

If all the preparatory work is ok, follow these steps to put it in operation.

1. Press the POWER button to “on” to start the H01 battery system
2. Check whether the status LED indicator is normal
3. Power on the inverter



Status LED Indicator
White LED flash means normal