

STOP! STOP!

You Must Read All Instructions

Please Note:

This is a recreational power distribution unit and not a jump starter. Do not attempt to jump start any vehicle with the unit as this will void warranty. **The Nomad PDU V6HD series comes with a 3-year manufacturer's warranty under normal use and 12 months warranty on the AC/DC Charger.**

Battery and BMS are set to provide up 100% DOD – with voltage range **Lifepo4 Prismatic 14.6 v – 10v.**

Approximately 3,000 cycles – dependant on type of use. Cycles are an estimation only and not a guarantee or part of the warranty. When you turn on the unit it will take about 5 seconds for the screen to come on.

WARNING!! WARNING!!

The V6HD series **accept a regulated charge only** of up to 50amp – you must use a suitable charger with Lifepo4 profile and if you are installing in a vehicle.

The DCDC charger must have a Lithium Lifepo4 profile 14.6v.

Do Not use this unit if you do not read the instructions. Failure to follow instructions, adhere to ratings and loads will void warranty, including ignoring the do not do list below.

To protect the unit and ensure you do not void the warranty, please read the below.

If installing into a vehicle, make sure the unit is well ventilated to avoid excessive heat build-up or exposure to elements. Only ever charge from the Nomad Inputs Red circled area.

YOU MUST NOT DIRECTLY CONNECT TO ALTERNATOR OR CRANK BATTERY WITHOUT A SUITABLE DCDC CHARGER, this will damage the unit.

Do Not use the PDU to jump start a vehicle (Do Not) - this could cause fire or swelling of the battery as it is not designed for this purpose, it is clear if this has been done.

- Do Not Direct connect to alternator or vehicle battery without a suitable DCDC or regulator (lifepo4)
- Do Not submerge in water and do not run-in series or parallel
- Do Not attempt to modify the product without express permission from manufacturer.
- Do Not use fuses rated higher than recommended in charging options and accessories.
- Do Not drill holes into the casing as you may drill into the battery chemistry.
- Do Not charge unit at any higher rate than advised – Regulated – 50amp max.
- Do Not Charge with an unregulated source such as an unregulated solar panel (must have a regulator).
- Do not try and use DCDC chargers exceeding 50amp, we have optional Lithium specific DCDC chargers available in 10 or 20amp options.

Read All Instructions to maximize life of unit.

Typical operating specifications and do's and don'ts.

NOMAD PDU V6HD – 105ah, 200ah – Instructions and Warranty

- **IMPORTANT** – Only charge from the Red Circled Anderson Input – do not charge from any of the outputs which are all circled with green.
- **Always Ventilate your Nomad** – do not enclose which can create additional heat.
- **Charge while supervised** – never leave batteries on charge unattended – disconnect when full if charging via the ACDC 10amp charger.

- **Discharge Maximums** –

105ah has a maximum discharge of 100ah constant (from the Battery Poles) these poles are designed to allow you to connect an inverter up to 1200 watt (**Do not exceed**)

200ah has a maximum discharge of 200ah constant (From Battery Poles) these poles are designed to allow you to connect to an inverter of up to 2500 watt (**Do not exceed ratings**)

The accessory outputs such as Anderson (50amp) and ciga sockets (10amp) and USB-C are rated as such Do Not Exceed.

- **Accessories Note** – You can run your fridge and accessories while charging your unit.
- **Charging** – The SOC Screen will indicate a charge or discharge amperage.
- **OVERCHARGE PROTECTION** – If PDU is overcharged, remove the charge.
- **DEAD SHORT PROTECTION** – If you have a dead short, the until will trip out. To reset, remove loads.
- **Solar Panels** – Your solar panel must have a regulator suitable for Lifepo4 with a regulated charge of <= 50amp. 14.6 volt.

Features:

- SOC (State of charge screen with Daly Smart BMS app for) scroll buttons for charge rate, load and % to full. Plus Bluetooth enabled
- 2 x 10amp Ciga Sockets.
- 1 x dual USB-c output.
- 1 x 50amp Anderson Output.
- Outputs all circled in Green
- 1 x 50amp Max regulated Input (Circled Red)
- Full Bluetooth Diagnostics
- AC/DC Charger – 10amp Lithium AC/DC charger included

NOMAD V6HD Series 105 and 200ah PDU come with a 36-month manufacturer’s warranty under normal use and 12 months on the AC/DC Charger – see above.

“Charging the Nomad V6HD-Series” General SOLAR

- **Regulated Charge Only** – Your solar panel must have a suitable regulator to provide 14.6v profile Lifepo4. Max 50amp.
- If you run the battery completely flat, a solar controller may not detect the battery depending on its technical limitations, if this occurs, simply give the battery a short charge from the ACDC charger which will wake up the connection.

“Charging the Nomad V6HD-Series” From Vehicle

- Do not direct connect your crank battery or alternator directly to the battery – You must have a suitable DCDC charger between the Nomad L Series and vehicle.

“Charging Characteristics of Lifepo4 Prismatic”

- It is normal for the Lifepo4 to charge up to 14.6 volt. When the charger is removed, the voltage will drop to about 13.3 and stay above 12.8 for the cycle. This is normal characteristics of the Lifepo4 Chemistry.
- Never leave batteries unsupervised when charging. Disconnect when fully charged.
- If storing the unit for extended period time, fully charge and then store away.

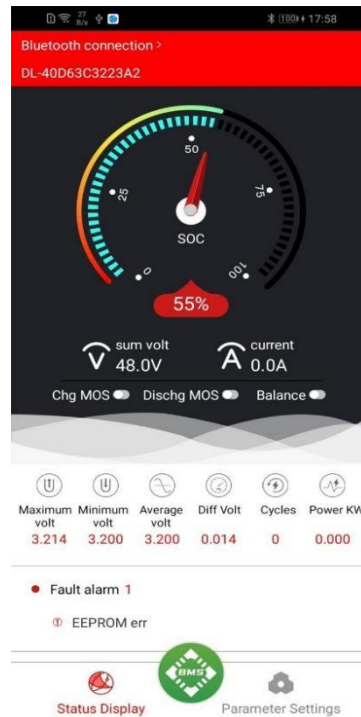
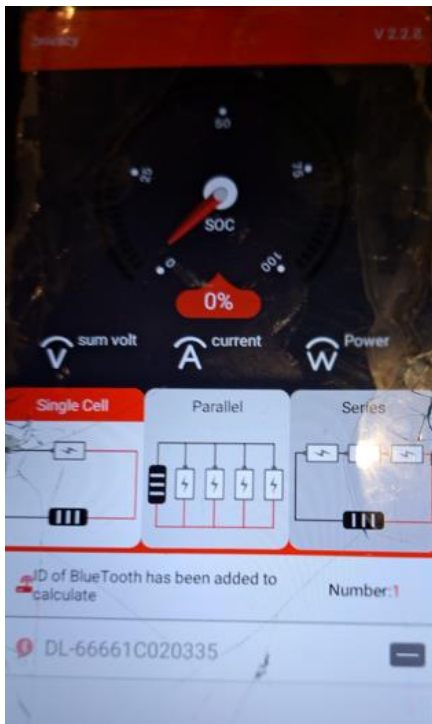
Important – When you first unpack your new V6HD Series, it is important to fully charge the unit to have the Bluetooth App calibrate to the SOC (State of Charge) screen on the battery.

Bluetooth.

Download the Daly Smart BMS app to your phone from the App store or Google play. The below icon will appear on your phone once downloaded.



When your phone is within range of the Battery (up to 10 meters) , you click on the app. It will bring up the battery serial number DL number – you click on that to establish the link. You may then be presented a screen with a choice of single – parallel or Series. You click on single and the screen on the right bellow will establish connection to the Battery. The DL number which comes up on screen is printed on the end of the units on a small label.



Once the unit is full, the charge current will show 0.0A and your app status on the phone will be same as SOC screen or within a few V or A. The SOC screen will indicate when charging and light up the unit display. This will show current on the app if still charging or 0.0 on the app if it is full.

The Blue tooth Status gauge is like a fuel gauge. It can show full but will still be taking on charge like a fuel gauge shows full when it still has 5-10 litres to go in.

The app is only an indicator of status such as charge and discharge. The SOC screen is calibrated off the BMS, both the app and the Screen on the battery will be within 1% of each other.



(SOC) Screen will show amp input when charging. Draw/Voltage/Charge Rate

The Current is shown under the dial gauge right hand side and will show - 5amp for example (minus symbol). If there is 5amp being drawn, or it will show 9.5amp (no minus symbol) meaning the charge rate. So, remember that if you are charging and running accessories at the same time it will show the difference of current in either charging or discharging, this is normal.

Also note that the current will only show once it is more than 1 amp either way, due the BMS utilising a transfer current. All factory settings are locked to the battery to ensure optimum performance – Please do not alter the system parameters.

Blue Tooth Trouble Shooting:

If your phone is within range and loses connectivity or does not present the battery DL number as an option for connectivity, it is possible that the Bluetooth has gone into sleep mode or you have Bluetooth turned off in phone settings.

You can reset it by simply discharging the unit until will not turn on, then put on ACDC charger, and you should be able to connect.

Make sure the Bluetooth is turned on the phone settings.

Contacting Nomad

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