

SolarInvert Energy Solutions

13 battery bms



Overview

When the battery capacity of the electric car is no longer sufficient for longer journeys, it can be replaced with a newer battery in better condition. But why not use the old one to supply or back up electricity to your house?

In combination with solar panels, a hybrid inverter and the 1PS.

We offer retrofitting your i3 battery with 1PS BMS or providing complete i3 battery storage with battery packs from our partners. Each of our battery packs is thoroughly inspected.

The original BMS system is removed from the battery and replaced with a 1PS BMSsystem that fits exactly in the original positions and allows the use of open communication.

Does BMW i3 have a battery management system?

BMW equipped the i3 with a very robust BMS (Battery Management System). Although your gauge may say 100%, the BMS controls the actual charge of the battery. I'm an 80% kinda guy.

Could a new battery pack double the range of a BMW i3?

Fortunately, there's a promising solution on the horizon. Enter Martigi Manufacturing (MTG), a Chinese company that's stepping up to address the range limitations of older BMW i3 models. MTG claims to have developed a battery pack that can effectively double the driving range of the original 60 Ah i3.

Does the BMW i3 have a MTG battery?

The MTG battery is designed to be compatible with the BMW i3's original charging system, including the 50 kW DC fast charging capability. This means you can use the same charging stations and experience similar charging speeds as with the original battery, but with a significantly increased range.

Does i3 battery balancing work?

However, the mi3 smartphone app showed that the charge levels of all 96 battery cells were almost identical, so the i3's passive charge level balancing works well even when usually charging to ~80%.

Does MTG have a new battery pack for i3?

MTG claims to have developed a battery pack that can effectively double the driving range of the original 60 Ah i3. This isn't just a replacement; it's a significant upgrade compatible with all i3 versions, even surpassing the capabilities of the largest factory-installed pack.

Does i3 BEV lose battery capacity?

I bought a 2014 U.S. i3 BEV new. After about 7 years and less than 13k miles, its 60 Ah battery pack had lost about 25% of its new nominal usable capacity. I replaced the 2014 with a used 2019 BEV (I'm the third owner). After almost 4 years and ~32k miles, its 120 Ah battery pack shows no signs of capacity loss.

i3 battery bms



communication with BMS

May 26, 2013 · Hello all, I have a 2014 i3-Rex. This one still has the 22 kWh battery. I would like to upgrade to the larger (almost double capacity) battery and use the old 22 kWh battery as a ...

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i3 Battery charging

Feb 13, 2023 · I wouldn't worry about charging at less than 100%. BMW equipped the i3 with a very robust BMS (Battery Management System). Although your gauge may say 100%, the ...



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Compare 4 Types of BMS Topologies: ...

Aug 23, 2023 · BMS topologies, or different configurations of BMS components, offer unique advantages and are vital for efficient battery management.

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Wireless Battery Management

System in BMW i3 ...

Nov 8, 2016 · This wireless BMS concept car, developed by Linear's design partner LION Smart, combines Linear's highly accurate battery stack monitors ...

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114KWh ESS



??BMS??????,??????!

Jun 22, 2020 · ??BMS?
BMS??????(BATTERY MANAGEMENT SYSTEM)????????????,????????????????? ...

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????BMW??????????

Mar 21, 2023 · ??????? ??????,
???????????????? :i3?i4?i7?ix3?
?????IDrive??, ?????????????????,?????i4?????:
edrive40. ...

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BMW 25kw i3 battery, SimpBMS, Sunsynk 5kw ...

Dec 28, 2021 · I've been lurking for a few months asking questions so thought it time to add details of the "build" BMW i3



"94ah" battery. (That's its label, ...

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Repair BMW SME HV Battery Module with CG100X

Jan 21, 2025 · The SME module, or System Management Unit, in a BMW is a battery management system (BMS) that controls the high-voltage battery. It ...

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Alibaba : BMW i3 54kWh 154Ah lithium battery pack ...

Energy Storage & Power Delivery: A 54kWh, 154Ah lithium-ion battery pack designed to power the BMW i3, delivering reliable energy storage and high-performance output for electric vehicle ...

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BMW I3 BMS

Jan 26, 2020 · BMW I3 BMS by Mouse »
Sun Jan 26, 2020 4:15 pm Does anyone know anything about hacking the BMW

I3 BMS system? I've had a look around and can't find much regarding ...

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Custom Battery Pack Integration: BMW i3 ...

We offer a plug-and-play solutions for the integration of battery packs based on BMW i3 modules that can be flexibly adapted to a wide range of requirements. ...

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Upgrade Your BMW i3 Battery for Double the ...

Apr 18, 2025 · MTG claims to have developed a battery pack that can effectively double the driving range of the original 60 Ah i3. This isn't just a replacement; ...

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BMW i3 Concept Car Relies on Wireless ...

Nov 22, 2016 · An electric vehicle employs wireless communication to relay performance feedback on

individual battery cells to a host processor, ...

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Product demonstration of the LIGHT battery concept & wireless BMS

Oct 10, 2018 · BMW i3 with wireless Smart-Mesh BMS was developed with products from ADI's power management portfolio, including a Mbps IrDA infrared receiver (LT1328) and a micropower, regulated charge pump dc-to-ac

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BMW I3 I4 IX3 SME HV Lithium Ion Battery BMS Repair Service

May 19, 2025 · This ensures that crash data errors will be erased from your battery and let you start the car. BMS Battery Repair and Crash Data Reset Service. Important You must send us ...

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i3 Battery pack battery hookup

May 30, 2023 · i3 Battery pack battery hookup by scozza12345 » Tue May 30, 2023 2:37 pm Hi all, I am looking at taking on a project to add an external battery pack to my i3, connected ...

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???-??i3??????(??????i3??????)

May 22, 2025 ·
??????????????,??????(Battery Management System,??BMS)????????????
????????,??i3??????????????,????? ...

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BMW i3 bms

Feb 3, 2022 · Tom DeBree has a neat little unit called the SimpBMS that already talks CAN to the BMW i3 submodules. It's very similar to the openinverter ethos in that it uses the existing OEM ...

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BMW i3 Battery Replacement & Upgrade

Supports larger battery capacity and extended driving range Fully compatible with private cars, electric buses, electric



trucks, and electric special-purpose vehicles

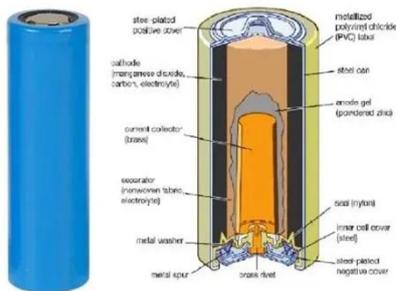
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BMW i3 Battery Cell Module Supervision Circuit ...

The Battery Cell Module Supervision Circuit Control is designed to monitor and manage individual battery cells, ensuring balanced charging and optimal ...



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Replacing The Battery Pack On A BMW i3 Costs ...

Nov 16, 2022 · BMW's i3 was a relatively affordable electric car (for BMW), but like most EVs, its battery isn't cheap. Here's how much it costs and how it ...

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Bmw i3 bms

Sep 28, 2018 · Jumping in on this topic: I m planning on buying a BMW i3 120Ah 45V battery for my electric motor for my dinghy. Am I correct that it is not

possible to get balancing/temp BMS ...

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2014-2017 BMW i3 60Ah 22kWh Battery & BMS ...

May 28, 2025 · 2014 - 2017 BMW i3
60Ah 22 kWh i01 LI-ION ELECTRIC
VEHICLE BATTERY OEM 7625052. Energy
content 22 kWh. Excellent ...

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So geht's: Akku beim BMW i3 selbst auslesen

Nov 3, 2024 · Beim BMW i3 können die
Informationen des
Batteriemanagementsystems (BMS) über
ein verstecktes Menü im Tacho ...

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BMW i3, SimpBMS, Victron Multiplus 48v 5000 build

May 13, 2021 · Normally i would have
driven to any place within about
1.000km to get the battery, but i cant.



Found BMW i3 battery on ebay, 3500 eur + shipping of about 400 eur. In one of the ...

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Charting Battery Capacity/ State of Health Over ...

Mar 19, 2019 · I bought my 2014 i3 two years ago and I have been tracking various metrics that seemed relevant to battery capacity/ state of health since ...

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ORIGINAL 2014

Jul 26, 2025 · We compared ORIGINAL 2014 - 2017 BMW i3 BATTERY 48V 60Ah 22 kWh i01 LI-ION EV BMS 7625052 deals, features, and coupon codes over the recent year for you at ...

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SIMP MS

Jul 16, 2021 · SIMP BMS V2.3 SimpEco Engineering 2021-12-22
simpecoeng@gmail 6 Basics of the SIMP BMS The starting point for this BMS is to

keep it simple, the BMS will not ...

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What's bad for our batteries?

Feb 4, 2020 · Even though the i3's battery management system (BMS) prevents the battery pack from being charged to its actual full charge or to be completely discharged, battery cell ...

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SME battery management faulty.

Feb 26, 2022 · Cell charge level balancing doesn't occur when charging is active, so repeatedly charging the battery pack won't affect the passive cell balancing ...

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Upgrade Your BMW i3 Battery for Double the ...

Apr 18, 2025 · Extending the Life of Your BMW i3: A New Battery Solution The BMW i3, a pioneer in the electric vehicle

market, debuted in 2013 and quickly ...

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