

# **Eig eplb c020b North Macedonia**





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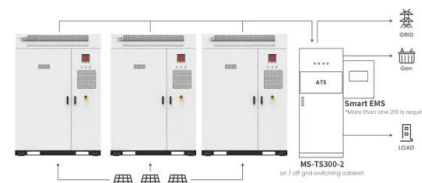


### Experimental data (reported by EiG Corp.) on variation of ...

Experimental data, reported by EiG for its ePLB C020 cell, on variation of cell potential (voltage) versus depth-of- discharge (DOD) for different discharge rates are shown in Fig 2.

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ePLB C020 Performance Discharge Rate Characteristics CHARGE : cc0SCYCVA2Vtoo.1qat25C DISCHARGE to at 2SCC c008 115 ± 1 mm (without terminal) 102±1 mm EiG All specifications are subject to change without notice. For your system requirements, please contact info@eigbattery . Author:



Application scenarios of energy storage battery products



### Battery lifetime of electric vehicles by novel rainflow-counting

In particular, nine NMC pouch cells manufactured by EiG, model ePLB C020B, have been tested for 2 years. The cells have a nominal capacity of 20 Ah, a voltage range between 3 and 4.15 V, a maximum charge current of 20 A and discharge current up to 60 A. The manufacturer declares more than 3000 equivalent cycles at 20 °C with DoD 80%.

### EIG C020 Battery Pack

I am currently looking to purchase a battery, BMS and charger for my conversion project and



am considering using EIG C020 cells. I would be interested in people's opinions, advice and experience from their own builds, particularly with these cells. I require 120V nominal voltage, 500A peak current, and a minimum of 16kWh of energy.



### Specifications of EiG ePLB-C020 Battery Cell.

Download scientific diagram , Specifications of EiG ePLB-C020 Battery Cell. from publication: Effects of State-of-Charge and Penetration Location on Variations in Temperature and Terminal

### Fuel economy improvement and emission reduction of 48 V mild ...

Battery cell experimental data, including open-circuit voltage (OCV) in charge and discharge mode and internal resistance, of the EiG ePLB-C020B Lithium-Nickel-Manganese-Cobalt-Oxide (LiNiMnCoO<sub>2</sub>) based cell is used to build the 12 V battery pack in Case 2 micro hybrid vehicle model and the 48 V battery pack in Case 3, 4, and 5 MHEV models. The



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## Technical Data of ePLB C020B

Technical Data of ePLB C020B  
Technical Data of ePLB C020B May, 2011 - Discharge/Charge vs. Rate, Temperature - Calendar life vs. SOC(State of Charge) - Cycle life vs. DOD(Depth of Discharge) - DCR P DOD T CDCR, Power vs. DOD, Temperature, Current - AC IR vs. DOD



## Cell C020 by EIG

EIG specializes in the design, development, and production of proprietary Lithium Titanate Oxide (LTO), Nickel Cobalt Manganese (NCM), and Iron Phosphate (LFP) cells and modules under both the EIG label as well as private label manufacturing arrangements.

## ePLB C High Energy Product

ePLB C High Energy Product 100 DOD(%) Power Density(W/kg) 0 102030405060708090 3200 2800 2400 2000 1600 1200 800 400 0 Discharge charge Cycle Number Capacity Retention(Ah) Retention(%) 0 100 200 300 400 500 600 700 800 900 1000 20 100 80 60 40 20 0 15 10 5 0 4.2 4.0 3.8 3.6 3.4 3.2 3.0 2.8 0 1020304050 Capacity(%)



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