

Electronic motorbikes: Honda EM1 e: & Mobile Power Pack e:

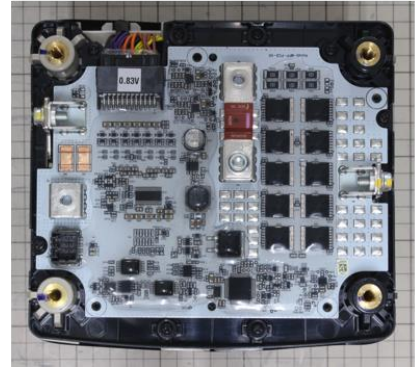
1. Motorbike Teardown report
2. Battery pack Teardown report
3. Battery pack BMS PCB detail circuit analysis report



Honda EM1 e:



Mobile Power Pack e:



BMS PCB

Overview

The world electric motorbike market is expanding mainly in India and China. Honda has announced its goal of selling 3.5 million motorbikes annually which will be 15% of worldwide market share, by 2030. Honda is also committed to standardizing batteries and charging infrastructure in order to expand motorbikes. LTEC released three reports analyzed Honda electric motorcycle EM1 e. (1) Motorbike Teardown report, (2) Battery pack Teardown report and (3) Battery pack BMS PCB detail circuit analysis report.

Product characteristics

1) Honda EM1 e:

- Weight : 92kg
- Riding capacity : 1 people
- Rotating diameter(min.) : 2m
- Prime mover model : EF16M
- Prime mover : DC Synchronous motor
- Rated output : 0.58kW
- Output power(max.) : 1.7kW[2.3PS]/540rpm
- Torque(max.) : 90N · m[9.2kgf · m]/25rpm



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2) Mobile Power Pack e:

- (H)x(W)x(L) : 298mmx177mmx156mm
- Weight : 10.3kg
- Battery type : Li-ion Battery
- Rated voltage : 50.26V
- Rated capacity : 26.1Ah/1314Wh
- Charging time : 5h

Report Contents

1) Honda EM1 e: Teardown report (85 pages)

- Product teardown
- Parts measurements (size & weight)
- Investigation of main parts of the unit (X-ray photography of resin sealing part)
- Identification of key ICs on the PCB (including datasheet, if we found).
- Parts (Bus-bars, Cables, and connectors) connection

2) Mobile Power Pack e: Teardown report (38 pages)

- Product teardown (battery pack + charger)
- Parts measurements (size & weight)
- Identification of key ICs on the PCB (including datasheet, if we found).
- PCB and parts (Bus-bars, Cables, and connectors) connection

3) Mobile Power Pack e: Board circuit analysis report (40 pages)

- Product teardown (battery pack + charger) process
- Parts List (size, manufacture, function, and constant measurement)
- Circuit analysis of the mounted BMS PCB

Report price

Delivery one week after order placement

Please contact us for report pricing

If you are interested in other components or modules of this product, please feel free to contact us.



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① Honda EM1 e: Teardown Report

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