VARTA EasyPack Concept → The "off the shelf solution"

What is needed to build your portable application?

Your Application know how

mating application contacts

Design in proposal

3D data support

Charging system

Light, thin & powerful cell

Gold plated battery contacts

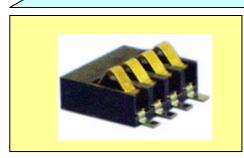
proper fixation



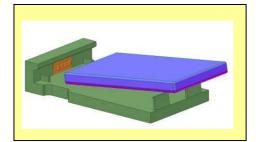
VARTA EasyPack Concept → The "off the shelf solution"

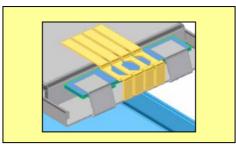
Here the solution!

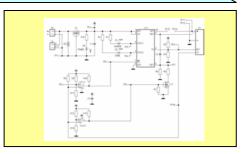
The pride of creation YOUR Application

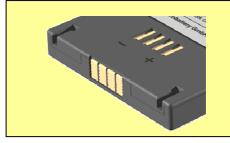














VARTA EasyPack → Benefits

Time to Market!

The ready to use battery allows designer fast prototyping and secures project schedules. No need for 'battery project management'.

Minimized NRE cost!

- no NRE cost for **battery housing** needed
- no NRE cost for **battery contacts** needed
- no NRE cost for mating application contacts needed
- no NRE cost for charging/charger design needed
- no NRE cost for **UN IATA transportation testing** needed
- no NRE cost for **UL approval/recognition** needed

Reduced Design In times → "Off the shelf solution"

Various footprints and capacity – one contact method!

Patent pending



VARTA EasyPack → Latest NEWS

2005

FROST & SULLIVAN

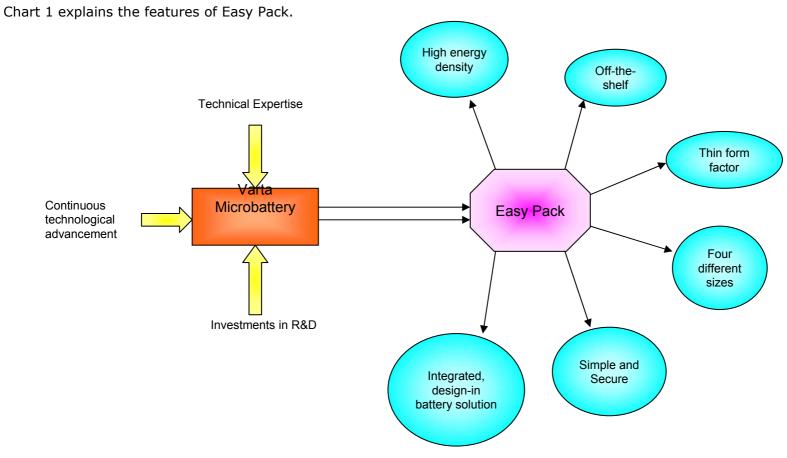
Product Differentiation Innovation Award

The 2005 Frost & Sullivan Product Differentiation Innovation Award for the world industrial secondary lithium battery market is presented to Varta Microbattery for its highly improved and integrated 'Easy Pack' Lithium Polymer battery solution.



VARTA EasyPack → Latest NEWS

2005 Frost & Sullivan Award for Product Differentiation Innovation

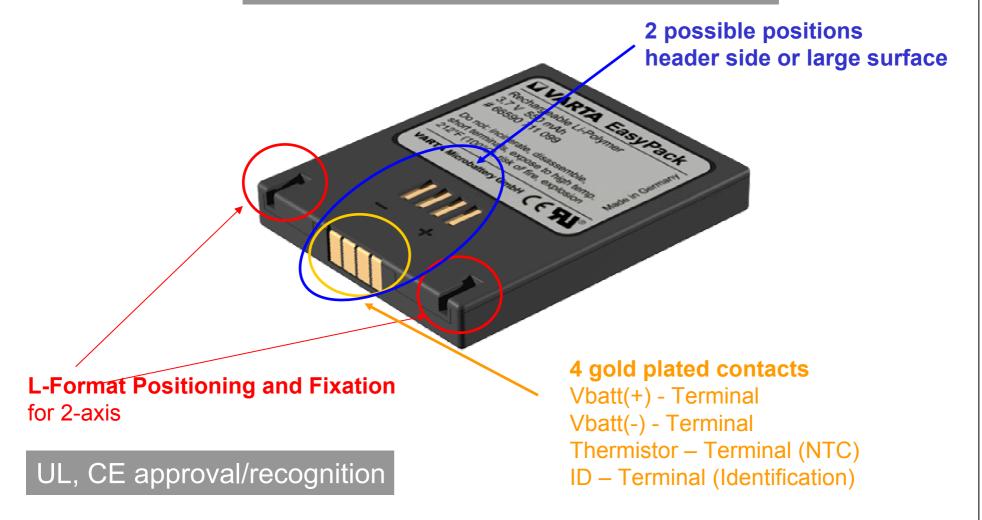


Source: Frost & Sullivan



"VARTA EasyPack" → The Battery

high energy, lowest weight and slim design



Patent pending



VARTA EasyPack – Integration to Application

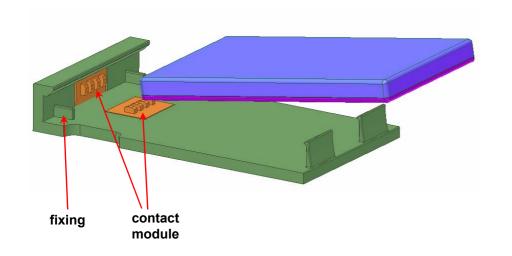
VARTA EasyPack: example connecting to front / header

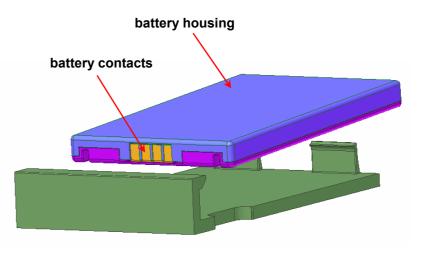
contact pitch: 2.5mm battery housing contact module battery contacts fixing base plate 29,6 Patent pending

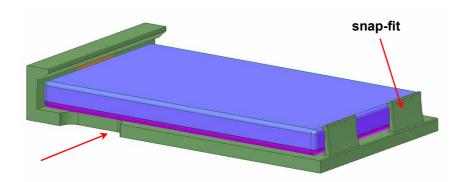
VARTA EasyPack – Integration to Application

VARTA EasyPack: example connecting to front / header

contact pitch: 2.5mm







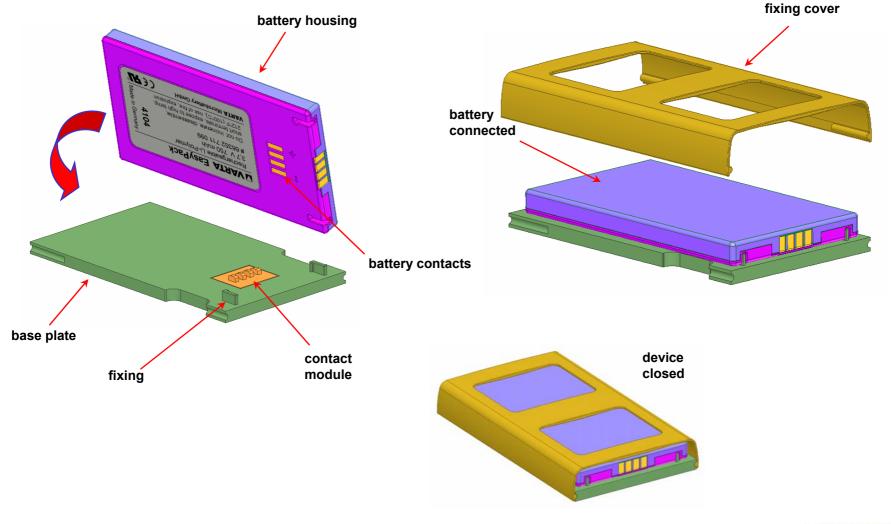
Patent pending



mobility for you

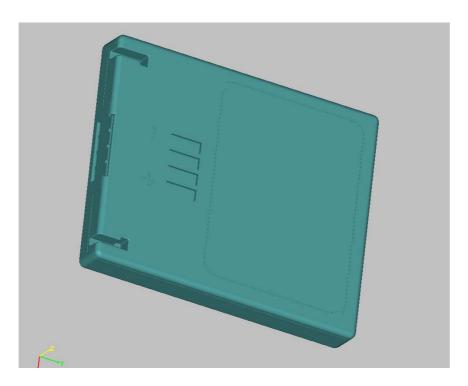
VARTA EasyPack connecting to surface

contact pitch: 2.5mm



VARTA EasyPack → design in support

-3 D data in "igs" and "stp" format of ALL EasyPacks available on request



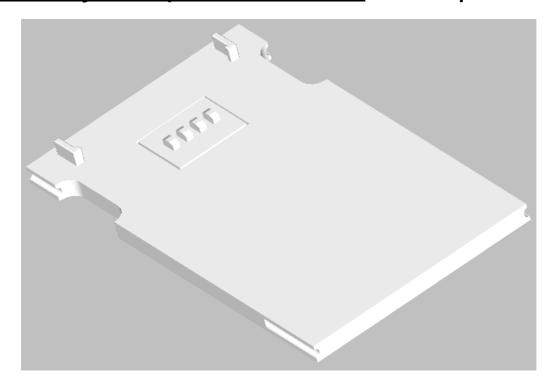
- For proper design in ALSO the tolerances of the drawings from the respective EasyPack specification are needed.



mobility for you

VARTA EasyPack → design in support

-3 D data for <u>battery compartment draft</u> on request

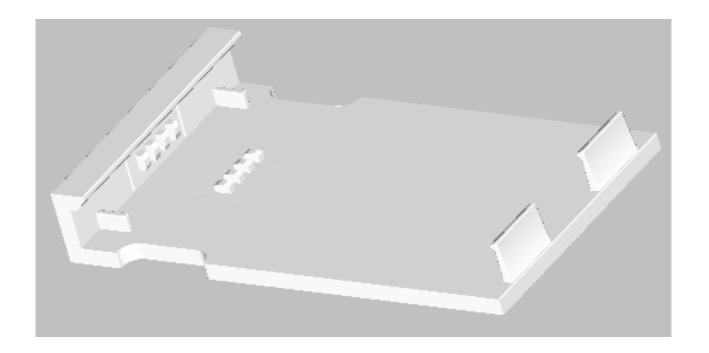


- For proper design in ALSO the tolerances of the drawings from the respective EasyPack specification are needed.



VARTA EasyPack → design in support

-3 D data for battery compartment draft on request



- For proper design in ALSO the tolerances of the drawings from the respective EasyPack specification are needed.



VARTA EasyPack Evaluation Kit

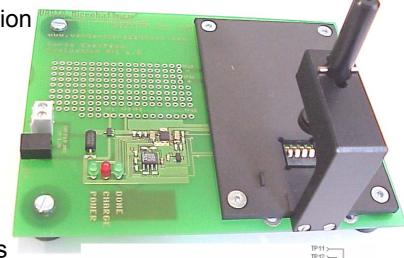






VARTA EasyPack Evaluation Kit

- Plug & Play charging solution based on TI bq 24014 charging IC
- Linear controller→no interference to the application
- fits all VARTA EasyPacks
- Input 5V, 1A
- Charging current 500mA/1000mA
- EASY access to IC test pins and battery contacts
- Additional breadboard space to mount individual components
- Blue prints and parts list available secure EASY and seamless integration to the application





Off the Shelf Charging Solutions from VARTA Microbattery partner



www.rrc-ps.com

EasyPack Charger Product Range Overview and Roadmap

- EPC06WCxxx
 - Pre-Defined Wall Plug Charger
- EPC06WUxxx
 - Universal Wall Plug Charger
- EPC06DCxxx
 - Desktop Charger
- EPC06WPxxx
 - Wall Plug Power Supply







VARTA EasyPack – Mating Battery Connector

VARTA EasyPack: Examples of mating battery connector

as standard component available



SUYIN 2501...

250105MR004G105ZU 250101MA004S400ZU

various others also available



Bourns 70 AAM



AVX 9155 MOBO



VARTA EasyPack – Mating Battery Connector

VARTA EasyPack: Battery Connector as a standard component available

www.avxcorp.com

9155 MOBO™ Battery Connector



GENERAL DESCRIPTION:

The standard battery connector is specifically designed for mobile equipment.

The commedons are available in 3, 4, and 5 contact positions all on a 2.50 mm pitch. The insulator height provides a 3mm spacing, with various contact nose beights from 1.20mm to 2.60mm, to provide spacing options to the

All contacts are stamped and are rated to 3A, with plating options in Tin or Gold. Parts are supplied in top e and reel for automatic pick and place. Optional retaining brackets: are available to provide greater strength when connected to

Whatever your requirements, the 9155 series Battery Connector can also be customised to suit your application.



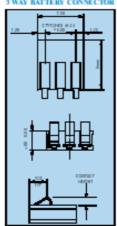
APPLICATIONS

- · Mobile Phones.
- · RDA.
- Medical
- PMR.
- Industrial.

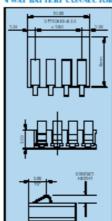
KEY FEATURES AND BENEFITS

- Suitable for 9000 mechanical cycles.
- · Variety of contact heights of fend to suit different mechanical designs.
- · Connectors can be end to end studgeb le.

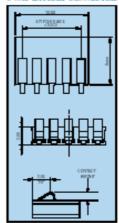
3 WAY BATTERY CONNECTOR



4 WAY BATTERY CONNECTOR



5 WAY BATTERY CONNECTOR





mobility for you

VARTA EasyPack – Mating Battery Connector

VARTA EasyPack: Battery Connector as a standard component available

www.bourns.com



Features

- 2.54mm oftch & height
- m 2 to 6 precious snotal contacts.
- End-to-end stackable.
- Twin hot cordacts (symmetrical pad layout)
- Pick & place cyangatible
- High rycle life

Applications

- Handheld communications mobile phines, pagers, cordless phones, GPS, PICs, radius
- Portable censumer equipment PDAs, HPCs, netabook PCs, cameras, dictaphones, PICs, games
- Companient-to-bland, SIM cards, etc.

70AA/Male - Modular Contact

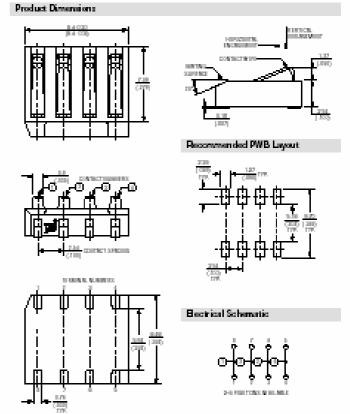
Materials & Finishes Insulator. . Glass reinforced thermoplastic. UL 94V-0 rated, black Finish: **Operating Characteristics** Clerct stoni Insulating Resistance1000MD min. Operating Temperature ...-55°G to 125°G. Mechanical How to Order 70AA J - 4 - M 0 G

G = Emborred Tape (750 pcz. per seep

Number of Contacts (i 2 Prough 6

> III - Illes 0 - Starcted

Packaging Option



VARTA EasyPack – Mating Battery Connector

VARTA EasyPack: Battery Connector as a standard component available

www.suyin.com

