

Power Pack Solutions
VARTA Storage GmbH

CellPac LITE

End of Life Notification

Summary 09.07.2015



VARTA Storage

VARTA Storage Overview

Overview of current CellPack LITE product range with notifications of all changes:

Description	Drawing #	Order #	Comment
1/LIC18650-26 HC PCM S WC	712616	56637 201 014	No Change
2S/LIC18650-26 HC PCM S WC	712438	56637 502 013	No Change
2P/LIC18650-26 HC PCM S WC	712498	56637 502 014	No Change
1/LIP 103450 SC PCM S WC	711488	56429 201 015	No Change
1/LIP 423450 AJL PCM S W	700746	56424 201 012	EOL – No Replacement
1/LPP 523450 DL W	700741	56493 201 012	Model Update
1/LPP 503759 DL W	700743	56478 201 012	Model Update
1/LPP 443441 PN W	704043	56445 201 012	Model Update
1/LPP 423566 BE NTC W	704150	56437 201 012	No Change
2P/LPP 503562 DL WC	703291	56422 302 016	Model Update
1/LPP 503562 DL W	700742	56422 201 012	Model Update
EasyPack S	703726	56445 701 099	Model Update
EasyPack L	703728	56446 701 099	Model Update
EasyPack XL	703729	56446 702 099	Model Update

Power Pack Solutions VARTA Storage GmbH

CellPac LITE

Part Change Notification

Change Summary (changes only)



VARTA Storage

VARTA Storage 1/LIP 423450 Soft-Pack

Description: 1/LIP 423450 AJL

Order # 56424 201 012



Product End of Life
No Replacement!

- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

VARTA Storage 1/LPP 503759 Soft-Pack

Description: 1/LPP503759 DL

Order # 56478 201 012

Product Information VARTA Storage
1/LPP 503759 DL PCM W
- VSB 50478 201 012

1. GENERAL
Safety Pack in electric device and safety contact & wires
Type: 1/LPP 503759 DL
MTC: 100% x P, B value 2000
EC Configuration: 302
Weight: 40g

2. ELECTRICAL SPECIFICATION
Rated Capacity: 1300mAh typical
Nominal Voltage: 3.2V
Maximum Voltage: 4.2V
Charging Method: Constant Current + Constant Voltage
Max. Charge Voltage (CV): 4.2
Max. Charge Current: 0.5C
Max. Charge Cut-Off: 0.05C
Max. Discharge Current: 2000mA (limited by PCB)
Max. Discharge Cut-Off: 0.05C
Max. Operating Temp: 40°C
Self-Discharge Rate: 5% per month @ 20°C

CELL PROTECTION
Overcharge Detection: 4.27V ± 0.01V (CV to 1.3mA, Min. 10µs, Max. 1.0V)
Overdischarge Detection: 2.7V ± 0.02V (Max. 200µs, Min. 10µs)
Overcurrent Detection: 2A (Max. 10µs)

3. AMBIENT CONDITIONS
Temperature Range: 0 to 40°C
Charge: 0 to 40°C
Discharge: 0 to 40°C
Storage Capacity: 1 month at 20°C ± 0.5%
Recovery Rate: 97 ± 0.2%

4. ENVIRONMENTAL AND SAFETY
Please follow VARTA Handling and Safety Procedures for Li-ion & Polymer.
Please refer to the appropriate environmental protection in CLM2.
The cell and pack are RoHS Compliant and are Halogen-Free.
The battery meets the requirements of Safety Directives and the battery packs are RoHS Compliant.
Minimum Order Quantity: 500 pcs - Order Multiple: 100 pcs - Product for OEM customers only.

- ▶ Capacity 1300 mAh
- ▶ Impedance 140 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

Description: 1/LPP503759 8HH

Order # 56427 201 018

Product Information VARTA Storage
1/LPP 503759 8HH PCM W
- VSB 50427 201 018

1. GENERAL
Safety Pack in electric device and safety contact & wires
Type: 1/LPP 503759 8HH
MTC: 100% x P, B value 2000
EC Configuration: 302
Weight: 40g

2. ELECTRICAL SPECIFICATION
Rated Capacity: 1400mAh typical
Nominal Voltage: 3.2V
Maximum Voltage: 4.2V
Charging Method: Constant Current + Constant Voltage
Max. Charge Voltage (CV): 4.2
Max. Charge Current: 0.5C
Max. Charge Cut-Off: 0.05C
Max. Discharge Current: 2000mA (limited by PCB)
Max. Discharge Cut-Off: 0.05C
Max. Operating Temp: 40°C
Self-Discharge Rate: 5% per month @ 20°C

CELL PROTECTION
Overcharge Detection: 4.27V ± 0.01V (CV to 1.3mA, Min. 10µs, Max. 1.0V)
Overdischarge Detection: 2.7V ± 0.02V (Max. 200µs, Min. 10µs)
Overcurrent Detection: 2A (Max. 10µs)

3. AMBIENT CONDITIONS
Temperature Range: 0 to 40°C
Charge: 0 to 40°C
Discharge: 0 to 40°C
Storage Capacity: 1 month at 20°C ± 0.5%
Recovery Rate: 97 ± 0.2%

4. ENVIRONMENTAL AND SAFETY
Please follow VARTA Handling and Safety Procedures for Li-ion & Polymer.
Please refer to the appropriate environmental protection in CLM2.
The cell and pack are RoHS Compliant and are Halogen-Free.
The battery meets the requirements of Safety Directives and the battery packs are RoHS Compliant.
Minimum Order Quantity: 500 pcs - Order Multiple: 100 pcs - Product for OEM customers only.

- ▶ Capacity 1400 mAh
- ▶ Impedance 100 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage 1/LPP 443441 Soft-Pack

Description: 1/LPP443441 PN

Order # 56445 201 012

Product Information
VARTA Storage
1/LPP 443441 PN
3.7V 595mAh 201 012

1. GENERAL

- Capacity: 595mAh
- Nominal Voltage: 3.7V
- Max. Charge Current: 1.000A
- Max. Discharge Current: 2.000A

2. ELECTRICAL SPECIFICATION

- Capacity: 595mAh
- Nominal Voltage: 3.7V
- Max. Charge Current: 1.000A
- Max. Discharge Current: 2.000A

3. AMBIENT CONDITIONS

- Temperature Range: -20 to +60°C
- Humidity: max. 95% RH

4. ENVIRONMENTAL AND SAFETY

CELL PAC



Description: 1/LPP443441 S

Order # 56455 201 012

Product Information
VARTA Storage
1/LPP 443441 S
3.7V 660mAh 201 012

1. GENERAL

- Capacity: 660mAh
- Nominal Voltage: 3.7V
- Max. Charge Current: 1.000A
- Max. Discharge Current: 2.000A

2. ELECTRICAL SPECIFICATION

- Capacity: 660mAh
- Nominal Voltage: 3.7V
- Max. Charge Current: 1.000A
- Max. Discharge Current: 2.000A

3. AMBIENT CONDITIONS

- Temperature Range: -20 to +60°C
- Humidity: max. 95% RH

4. ENVIRONMENTAL AND SAFETY

CELL PAC

- ▶ Capacity 595 mAh
- ▶ Impedance 130 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

- ▶ Capacity 660mAh
- ▶ Impedance 130 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage 1/LPP 523450 Soft-Pack

Description: 1/LPP523450 DL

Order # 56493 201 012

Product Information
VARTA Storage
1/LPP 523450 DL PCM W
• VSB 56493 201 012

1. GENERAL
Battery Pack in airtight stainless steel safety-cased 6 series
Cell: LPP 523450 DL
Type: 1000mAh
Nominal Voltage: 3.7V
Configuration: 1S1
Weight: approx. 10g

2. ELECTRICAL SPECIFICATION
Nominal Capacity: 1000mAh typical
Max. Charge Current: 1000mA
Max. Discharge Current: 1000mA (limited by cell I_{DC})
Max. Charge Voltage (V): 4.2 ± 0.01V
Max. Discharge Voltage (V): 3.0 ± 0.01V
Max. Charge Cut-Off: By external circuit or timer (t_{ch})
Max. Discharge Cut-Off: 3.0V
Max. Charge Current: 1000mA (limited by cell I_{DC})
Max. Discharge Current: 1000mA (limited by cell I_{DC})
Max. Charge Voltage (V): 4.2 ± 0.01V
Max. Discharge Voltage (V): 3.0 ± 0.01V
Max. Charge Cut-Off: By external circuit or timer (t_{ch})
Max. Discharge Cut-Off: 3.0V

3. AMBIENT CONDITIONS
Temperature Range: -20°C to +40°C
Charge: 0 to +40°C
Discharge: 0 to +40°C
Storage: -20 to +25°C
Humidity: 10 to 90% RH (20 to 40°C)
Vibration: 10 to 20g (20 to 40°C)

4. ENVIRONMENTAL AND SAFETY
Please refer to the following and safety instructions for Cell LPP523450
The cell used is a UL recognized component according to UL1642
This battery meets the requirements of RoHS (Restriction of Hazardous Substances and Heavy Metals Content)
Minimum Order Quantity: 100 pcs - Order Multiples: 100 pcs - Product for OEM customers only



Description: 1/LPP523450 S

Order # 56457 201 012

Product Information
VARTA Storage
1/LPP 523450 S PCM W
• VSB 56457 201 012

1. GENERAL
Battery Pack in airtight stainless steel safety-cased 6 series
Cell: LPP 523450 S
Type: 1000mAh
Nominal Voltage: 3.7V
Configuration: 1S1
Weight: approx. 10g

2. ELECTRICAL SPECIFICATION
Nominal Capacity: 1000mAh typical
Max. Charge Current: 1000mA
Max. Discharge Current: 1000mA (limited by cell I_{DC})
Max. Charge Voltage (V): 4.2 ± 0.01V
Max. Discharge Voltage (V): 3.0 ± 0.01V
Max. Charge Cut-Off: By external circuit or timer (t_{ch})
Max. Discharge Cut-Off: 3.0V
Max. Charge Current: 1000mA (limited by cell I_{DC})
Max. Discharge Current: 1000mA (limited by cell I_{DC})
Max. Charge Voltage (V): 4.2 ± 0.01V
Max. Discharge Voltage (V): 3.0 ± 0.01V
Max. Charge Cut-Off: By external circuit or timer (t_{ch})
Max. Discharge Cut-Off: 3.0V

3. AMBIENT CONDITIONS
Temperature Range: -20°C to +40°C
Charge: 0 to +40°C
Discharge: 0 to +40°C
Storage: -20 to +25°C
Humidity: 10 to 90% RH (20 to 40°C)
Vibration: 10 to 20g (20 to 40°C)

4. ENVIRONMENTAL AND SAFETY
Please refer to the following and safety instructions for Cell LPP523450
The cell used is a UL recognized component according to UL1642
This battery meets the requirements of RoHS (Restriction of Hazardous Substances and Heavy Metals Content)
Minimum Order Quantity: 100 pcs - Order Multiples: 100 pcs - Product for OEM customers only

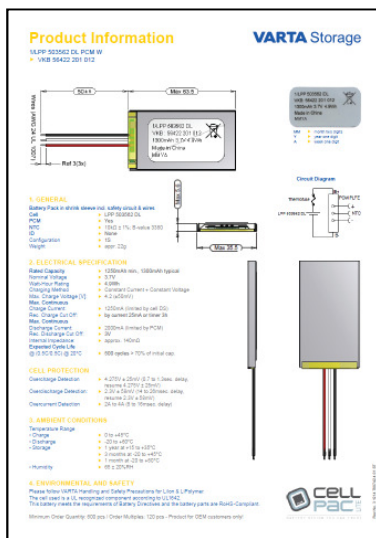
- ▶ Capacity 1000 mAh
- ▶ Impedance 140 mOhm
- ▶ 5,6mm x 34,5mm x 51,5mm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

- ▶ Capacity 1000 mAh
- ▶ Impedance 100 mOhm
- ▶ 5,3mm x 34,5mm x 52mm
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage 1/LPP 503562 Soft Pack

Description: 1/LPP503562 DL

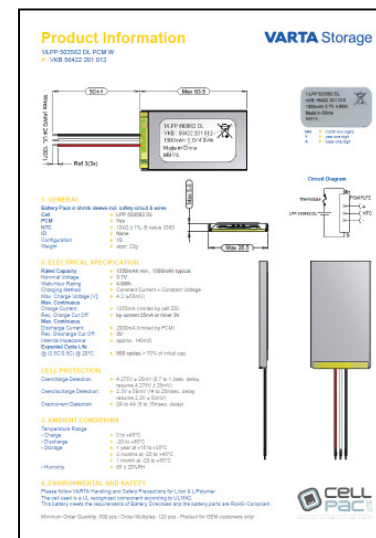
Order # 56422 201 012



- ▶ Capacity 1300 mAh
- ▶ Impedance 140 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

Description: 1/LPP 503562 S

Order # 56456 201 012



- ▶ Capacity 1200 mAh
- ▶ Impedance 100 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage 2P/LPP 503562 Soft Pack

Description: 2P/LPP503562 DL

Order # 56422 302 016

Product Information VARTA Storage
2P/LPP 503562 DL PCM W/C
+ VAB 56422 302 016

1. GENERAL
Battery Pack including safety vent, 8 series with interconnector
Cell: 2P/LPP 503562 DL
PCM
W/C
Nominal Voltage: 3.7V, Voltage 3420 ± 1%
ID: 30mm
Length: 38mm
Weight: approx. 47g

2. ELECTRICAL SPECIFICATION
Basic Capacity: 2600mAh typical
Nominal Voltage: 3.7V
Max. Allow. Charging: 2.75A
Charging Voltage: 4.2V
Max. Charge Voltage (V): 4.2 (±0.01V)
Charge Current: 1.25A
Max. Charge Cut Off: 1.00A (detected by cell I2C)
Max. Discharge Current: 2.00A (limited by PCM)
Max. Discharge Cut Off: 0.5A
Internal Resistance: approx. 100mΩ
Expanded Data Life: 300 cycles 100% of initial cap.
@ 25°C (0.5C @ 25°C)
300 cycles 75% of initial cap.

3. CELL PROTECTION
Overcharge Detection: 4.2V ± 20mV (3.8 to 1.0sec. delay)
Overdischarge Detection: 2.9V ± 10mV (3.8 to 1.0sec. delay @ 100mA load)
Overcurrent Detection: 3.2A to 3.4A (3.8 to 1.0sec. delay)

4. AMBIENT CONDITIONS
Temperature Range: 0 to +45°C
Storage: 0 to +45°C
1 year at 20 to +45°C
1 month at 0 to +45°C
1 month at 20 to +45°C
1 year at 20 to +45°C

5. ENVIRONMENTAL AND SAFETY
Pulse tested according to IEC 60086-2 (UL 1642)
The cell used is a UL recognized component according to UL 1642.
The battery meets the requirements of RoHS (Directive 2002/95/EC) and REACH (Regulation 1907/2006/EC).
Minimum Order Quantity: 300 pcs (Order Multiple: 60 pcs - Product for OEM customers only)

- ▶ Capacity 2600 mAh
- ▶ Impedance 110 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

Description: 2P/LPP 503562 S

Order # 56456 302 012

Product Information VARTA Storage
2P/LPP 503562 S PCM W
+ VAB 56456 302 012

1. GENERAL
Battery Pack including safety vent, 8 series with interconnector
Cell: 2P/LPP 503562 S
PCM
W
Nominal Voltage: 3.7V, Voltage 3420 ± 1%
ID: 30mm
Length: 38mm
Weight: approx. 47g

2. ELECTRICAL SPECIFICATION
Basic Capacity: 2400mAh typical
Nominal Voltage: 3.7V
Max. Allow. Charging: 2.75A
Charging Voltage: 4.2V
Max. Charge Voltage (V): 4.2 (±0.01V)
Charge Current: 1.25A
Max. Charge Cut Off: 1.00A (detected by cell I2C)
Max. Discharge Current: 2.00A (limited by PCM)
Max. Discharge Cut Off: 0.5A
Internal Resistance: approx. 100mΩ
Expanded Data Life: 300 cycles 100% of initial cap.
@ 25°C (0.5C @ 25°C)
300 cycles 75% of initial cap.

3. CELL PROTECTION
Overcharge Detection: 4.2V ± 20mV (3.8 to 1.0sec. delay)
Overdischarge Detection: 2.9V ± 10mV (3.8 to 1.0sec. delay @ 100mA load)
Overcurrent Detection: 3.2A to 3.4A (3.8 to 1.0sec. delay)

4. AMBIENT CONDITIONS
Temperature Range: 0 to +45°C
Storage: 0 to +45°C
1 year at 20 to +45°C
1 month at 0 to +45°C
1 month at 20 to +45°C
1 year at 20 to +45°C

5. ENVIRONMENTAL AND SAFETY
Pulse tested according to IEC 60086-2 (UL 1642)
The cell used is a UL recognized component according to UL 1642 and UL 1642, 5.1 certified.
The battery meets the requirements of RoHS (Directive 2002/95/EC) and REACH (Regulation 1907/2006/EC).
Minimum Order Quantity: 300 pcs (Order Multiple: 120 pcs - Product for OEM customers only)

- ▶ Capacity 2400 mAh
- ▶ Impedance 90 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage EasyPack S

Description: EasyPack S

Order # 56445 701 099

Product Information
16 PIP 43441 PFCM PC
E27044 S - VNR 56445 701 099

1. GENERAL
Battery with safety vent and plastic housing
Cell
PCM
NDC
ID
Configuration
Weight

2. ELECTRICAL SPECIFICATION
Rated Capacity
Nominal Voltage
Discharge Rating
Max. Charge Voltage (V)
Charge Current
Max. Charge Cut Off
Max. Continuous Discharge Current
Max. Discharge Cut Off
Internal Resistance
Expected Cycle Life

3. AMBIENT CONDITIONS
Temperature Range
Charge
Discharge
Storage

4. ENVIRONMENTAL AND SAFETY



- ▶ Capacity 595 mAh
- ▶ Impedance 150 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

Description: EasyPack S

Order # 56455 701 099

Product Information
16 PIP 43441 S PFCM PC
E27044 S - VNR 56455 701 099

1. GENERAL
Battery with safety vent and plastic housing
Cell
PCM
NDC
ID
Configuration
Weight

2. ELECTRICAL SPECIFICATION
Rated Capacity
Nominal Voltage
Discharge Rating
Max. Charge Voltage (V)
Charge Current
Max. Charge Cut Off
Max. Continuous Discharge Current
Max. Discharge Cut Off
Internal Resistance
Expected Cycle Life

3. AMBIENT CONDITIONS
Temperature Range
Charge
Discharge
Storage

4. ENVIRONMENTAL AND SAFETY

- ▶ Capacity 660 mAh
- ▶ Impedance 115 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage EasyPack L

Description: EasyPack L

Order # 56446 701 099

Product Information VARTA Storage
ULFP 50562 P6 PCM PC
ECPack L - VSR 56446 701 099

1. GENERAL
Battery with safety vent and plastic housing
Cell
ULFP 50562 P6
IMP
15 10 21%
Configuration
Voltage

2. ELECTRICAL SPECIFICATION
Rated Capacity
Nominal Voltage
Nominal Current
Max. Charge Voltage (V)
Max. Charge Current
Max. Discharge Current
Max. Discharge Cut-Off
Internal Impedance
Open-Circuit Voltage

3. CELL PROTECTION
Overcharge Detection
Overdischarge Detection
Overcurrent Detection

4. AMBIENT CONDITIONS
Temperature Range
Storage
Humidity

5. ENVIRONMENTAL AND SAFETY
Please refer to IEC 60086-2 and IEC 60086-3 for details.
The cell is approved according to IEC 60086-2. This battery meets the requirements of battery Directives and the battery packs are RoHS-Compliant. This battery is CE, RoHS-compliant and is certified according to IEC 60086-2.



- ▶ Capacity 1130 mAh
- ▶ Impedance 110 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

Description: EasyPack

Order # 56456 701 099

Product Information VARTA Storage
ULFP 50562 S PCM PC
ECPack L - VSR 56456 701 099

1. GENERAL
Battery with safety vent and plastic housing
Cell
ULFP 50562 S
IMP
15 10 21%
Configuration
Voltage

2. ELECTRICAL SPECIFICATION
Rated Capacity
Nominal Voltage
Nominal Current
Max. Charge Voltage (V)
Max. Charge Current
Max. Discharge Current
Max. Discharge Cut-Off
Internal Impedance
Open-Circuit Voltage

3. CELL PROTECTION
Overcharge Detection
Overdischarge Detection
Overcurrent Detection

4. AMBIENT CONDITIONS
Temperature Range
Storage
Humidity

5. ENVIRONMENTAL AND SAFETY
Please refer to IEC 60086-2 and IEC 60086-3 for details.
The cell is approved according to IEC 60086-2. This battery meets the requirements of battery Directives and the battery packs are RoHS-Compliant. This battery is CE, RoHS-compliant and is certified according to IEC 60086-2.

- ▶ Capacity 1200 mAh
- ▶ Impedance 99 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

VARTA Storage EasyPack XL

Description: EasyPack XL

Order # 56446 702 099

Product Information **VARTA Storage**
2P1PFR0262PH.PCM.PC
EasyPack XL - VMS 56446 702 099

1. GENERAL
Battery with safety vent and plastic housing
Cell: LFP 100002 S
PCM: 100002 S
Max. Charge Voltage: 4.2V
Max. Discharge Current: 2000mA
Max. Charge Current: 1.5C
Max. Discharge Current: 2000mA
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V

2. ELECTRICAL SPECIFICATION
Rated Capacity: 2260mAh min., 2000mAh typical
Nominal Voltage: 3.7V
Max. Charge Voltage: 4.2V
Max. Discharge Current: 2000mA
Max. Charge Current: 1.5C
Max. Discharge Current: 2000mA
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V

3. CELL PROTECTION
Overcharge Detection: 4.2V ± 0.02V (0.5 to 1.0s)
Overdischarge Detection: 2.5V ± 0.02V (10 to 100ms)
Overcurrent Detection: 20A (max. pulse width 10ms, duty cycle 10%)
Temperature Range: -20 to +45°C
Storage: -20 to +45°C
Humidity: 5 to 95% RH (non-condensing)

4. ENVIRONMENTAL AND SAFETY
Please refer to VARTA's Safety and Safety Information for more details.
This battery meets the requirements of Safety Directive and the battery parts are RoHS Compliant. This battery is not hazardous and is classified according to IEC 62133 edition 1.
Minimum Order Quantity: 200 pcs (Order Multiple: 50 pcs) - Product for OEM customers only.



- ▶ Capacity 2260 mAh
- ▶ Impedance 110 mOhm
- ▶ Last order with VARTA 31st Aug 15
- ▶ Last delivery 31st Dec 15

Description: EasyPack XL

Order # 56456 702 099

Product Information **VARTA Storage**
2P1PFR0262 S.PCM.PC
EasyPack XL - VMS 56456 702 099

1. GENERAL
Battery with safety vent and plastic housing
Cell: LFP 100002 S
PCM: 100002 S
Max. Charge Voltage: 4.2V
Max. Discharge Current: 2000mA
Max. Charge Current: 1.5C
Max. Discharge Current: 2000mA
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V

2. ELECTRICAL SPECIFICATION
Rated Capacity: 2400mAh min., 2000mAh typical
Nominal Voltage: 3.7V
Max. Charge Voltage: 4.2V
Max. Discharge Current: 2000mA
Max. Charge Current: 1.5C
Max. Discharge Current: 2000mA
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V
Max. Charge Cut Off: 3.0V
Max. Discharge Cut Off: 2.5V

3. CELL PROTECTION
Overcharge Detection: 4.2V ± 0.02V (0.5 to 1.0s)
Overdischarge Detection: 2.5V ± 0.02V (10 to 100ms)
Overcurrent Detection: 20A (max. pulse width 10ms, duty cycle 10%)
Temperature Range: -20 to +45°C
Storage: -20 to +45°C
Humidity: 5 to 95% RH (non-condensing)

4. ENVIRONMENTAL AND SAFETY
Please refer to VARTA's Safety and Safety Information for more details.
This battery meets the requirements of Safety Directive and the battery parts are RoHS Compliant. This battery is not hazardous and is classified according to IEC 62133 edition 1.
Minimum Order Quantity: 200 pcs (Order Multiple: 50 pcs) - Product for OEM customers only.

- ▶ Capacity 2400 mAh
- ▶ Impedance 68 mOhm
- ▶ No mechanical changes
- ▶ First orders VARTA 1st Sep 15
- ▶ First deliveries ~12 weeks

Power Pack Solutions
VARTA Storage GmbH



Thank you!

