

Power Pack Solutions VARTA Storage GmbH

CellPac LITE

IATA SOC Topic

May 2016





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- VARTA Storage GmbH is receiving cells of various SOC from it's suppliers.
- All products will transition to an SOC of 30% as soon as documentation can be released and updated.
- A new VARTA Storage GmbH part number is necessary to control legal aspects like correct Declaration of Conformity issuance for compliance with transportation.
- This process is underway for several hundred part numbers, including CellPac LITE part numbers.
- This presentation shows the current status of this transition as of May 2016.
- For actual delivery transfer SAP Order confirmations overrule all other documentation.



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

Description	Order Code (VKB)	OLD Order Code (50% SOC)	Minimum State of Charge	Calculated storage time (months)*
1/LIC18650-26 HC PCM S WC	56637 201 016	56637 201 014	17%	14,36
2S/LIC18650-26 HC PCM S WC	56637 502 016	56637 502 013	17%	12,74
2P/LIC18650-26 HC PCM S WC	56637 502 017	56637 502 014	17%	14,30
1/LIP103450 SC PCM S WC	56429 201 016	56429 201 015	17%	12,32
1/LPP 523450 S PCM W	56457 201 012	no change	~ 50%	31,56
1/LPP 503759 8HH PCM W	56427 201 018	no change	~ 50%	34,97
1/LPP 443441 S PCM W	56455 201 012	no change	~ 50%	26,76
1/LPP 423566 BE NTC W	56437 201 012	no change	~ 50%	33,13
2P/LPP 503562 S PCM WC	56456 302 012	no change	~ 50%	39,87
1/LPP 503562 S PCM W	56456 201 012	no change	~ 50%	33,47
EasyPack S	56455 701 099	no change	~ 50%	27,72
EasyPack L	56456 701 099	no change	~ 50%	34,26
EasyPack XL	56456 702 099	no change	~ 50%	39,87

^{*}At 20-25C and normal or low humidity



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~50% SOC

Description: 1/LIC 18650 26 HC PCM S WC Order # 56637 201 014

VARTA Product Information 1/LIC 18650 26 HC PCM S WC VKB 56637 201 014 year one digit
VARTA internal one dig Circuit Diagram None Rated Capacity ▶ 2550mAh min., 2600mAh nominal Nominal Voltage ▶ 3.63V Watt-Hour Rating 9.5Wh
 Constant Current + Constant Voltage Charging Method Max. Charge Voltage [V]: Max. Continuous ▶ 4.2 (±50mV) Max. Continuous
Charge Current:
Reo. Charge Cut Off:
Max. Continuous
Discharge Current:
Reo. Discharge Cut Off:
Internal Impedance:
Expected Cycle Life 2500mA (limited by Connector) ▶ 0.05C or timer 2.5h Pin 2: red wire (+) AWG 24 UL 1430 > 2500mA (limited by Connector) @ (0.5C/0.5C) @ 25°C > 300 cycles @ ≥ 1785mAh 4.300 ± 0.025V (0.8 to 1.2sec. delay, 2.400V ± 0.035V (76.8 to 115.2msec. delay Temperature Range - Charge - Discharge -20 to +60°C 1 year at -20 to +25°C > 80%
 3 months at -20°C to +45°C >80%
 1 month at -20°C to +60°C >80% · Charge Retention Humidity ▶ 65 ± 20%RH

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer. The cell used is a UL recognized component according to UL1642. This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.

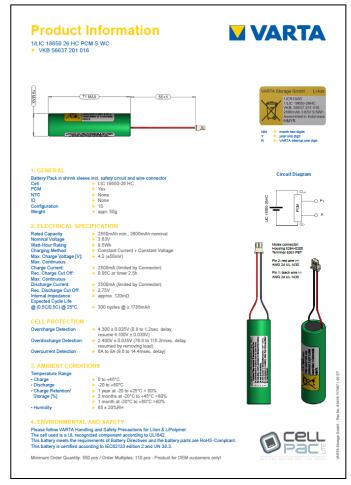
Minimum Order Quantity: 550 pcs / Order Multiples: 110 pcs - Product for OEM customers only

This battery is certified according to IEC62133 edition 2 and UN 38.3.



<30% SOC

Description: 1/LIC 18650 26 HC PCM S WC Order # 56637 201 016

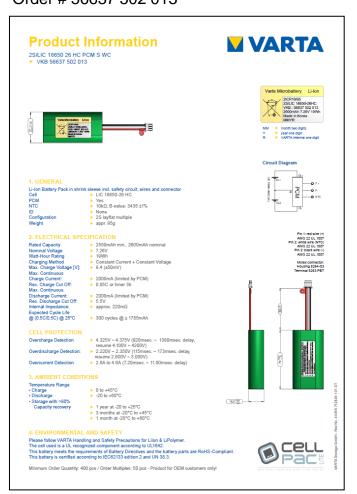




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~50% SOC

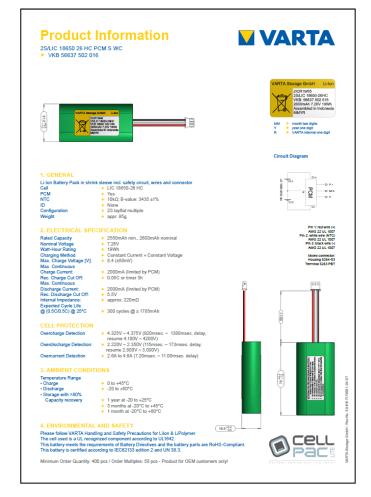
Description: 2S/LIC 18650 26 HC PCM S WC Order # 56637 502 013





<30% SOC

Description: 2S/LIC 18650 26 HC PCM S WC Order # 56637 502 016

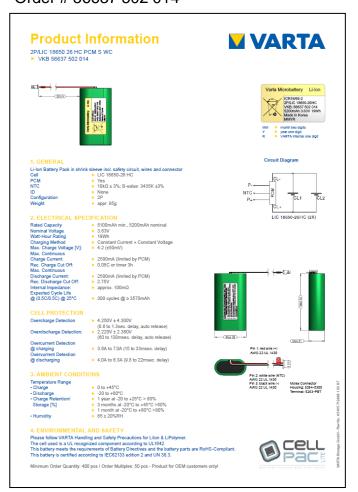




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~50% SOC

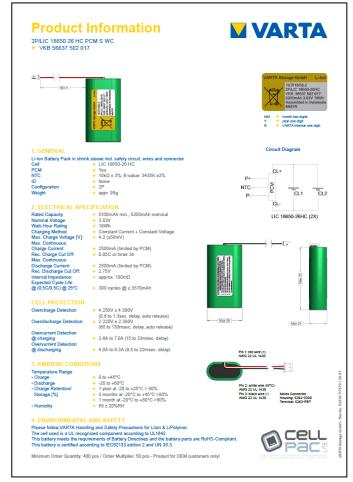
Description: 2P/LIC 18650 26 HC PCM S WC Order # 56637 502 014





<30% SOC

Description: 2P/LIC 18650 26 HC PCM S WC Order # 56637 502 017



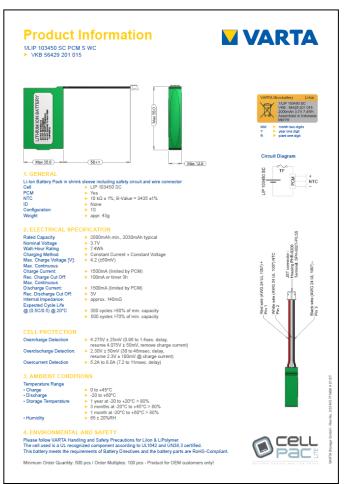


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~50% SOC

Description: 1/LIC 103450 SC PCM S WC

Order # 56429 201 015

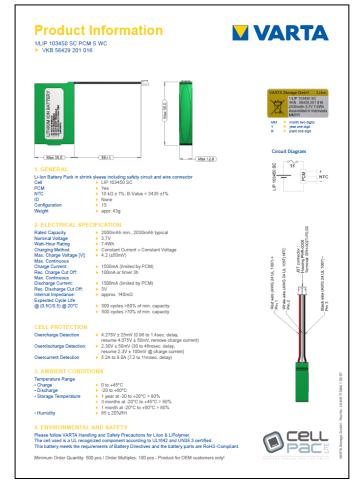




<30% SOC

Description: 1/LIC 103450 SC PCM S WC

Order # 56429 201 016





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