

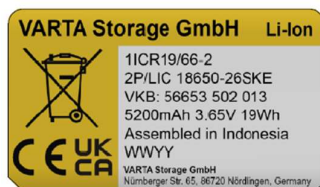


2P/LIC 18650-26 SKE PCM S WC

3.65 V | 5,200 mAh nominal | 19.0 Wh | VKB: 56653 502 013 (SoC 30%)

VARTA Storage GmbH - Rev No. 1- 0325

Distributed by:



WW = Calendar Week | YY = Year

ELECTRICAL SPECIFICATION

Nominal voltage	3.65 V
Rated capacity at (0.5 C / 0.2 C), 23 °C ± 5 °C	5,000 mAh min., 5,200 mAh nominal
Watt-hour rating	19 Wh
Charging method	Constant Current + Constant Voltage
Max. charge voltage	4.2 V
Max. continuous charge current	520 mA (0 °C to +5 °C) - limited by cell 1,040 mA (+5 °C to +15 °C) - limited by cell 2,500 mA (+15 °C to +45 °C) - limited by PCM
Rec. charge cut off	52 mA or timer 3.0 h
Max. continuous discharge current	2,500 mA (limited by PCM)
Rec. discharge cut off	2.75 V
Internal impedance	Approx. 100 mΩ
Exp. cycle life at (1.0 C / 1.0 C), 25 °C ± 2 °C	≥ 300 cycles ≥ 80 %

GENERAL

(Battery pack in shrink sleeve incl. safety circuit and wires and connector)

Wire	AWG22 UL1430 (red wire (+), white wire (NTC), black wire (-))
Connector	Molex connector (housing: 5264-030 terminal: 5263-PBT)
Cell	LIC 18650 -26SKE
PCM	Yes
NTC	10 kΩ; B-value 3,435 K ± 3 %
ID	None
Configuration	2P
Weight	Approx. 95 g

CELL&BATTERY PROTECTION

Overcharge detection	4.250 V to 4.300 V (0.96 sec. to 1.4 sec delay, auto release)
Overdischarge detection	2.250 V to 2.350 V (30 msec. to 46 msec. delay, auto release)
Overcurrent detection at charging	3.7 A to 11.3 A (7.2 msec. to 11.0 msec. delay)
Overcurrent detection at discharging	4.5 A to 10.0 A (7.2 msec. to 11.0 msec. delay)

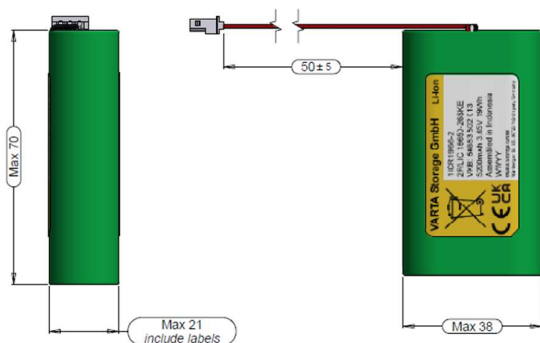
ENVIROMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +60 °C
Storage	1 month at -20 °C to +60 °C ≥ 90 % 3 months at -20 °C to +40 °C ≥ 90 % 1 year at -20 °C to +20 °C ≥ 90 %
Humidity	0 to 85 RH %

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.
The cell used is a UL recognized component according to UL1642 and IEC 62133-2. The battery meets the requirements of battery directives and the battery part are RoHS-compliant. The battery is certified according to IEC6321 33-2 and UN38.3

Minimum order quantity: 400 pcs / Order multiples: 50 pcs - Product for OEM customers only!



Disclaimer

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All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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