

# Änderungsmitteilung (CN)

## Product Change Notification

Technologiepark 1 ~ D-66424  
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Title [Title] <b>New cell and housing New and updated approvals Implementation of new labelling process</b>		Date [Datum] <b>15mar2021</b>	Ref. No. [Lfd. Nr.] <b>CN_18_022</b>	
Part Name [Teilebezeichnung]	RRC Article No. [RRC Art-Nr.]	Index	Customer Article No. [Kunden Art-Nr.]	Index
RRC1130	110019	-12 (pre-production) -13 (mass-production)		

Reason for Change [Grund für die Änderung]

Design [Design]       Logistics [Logistik]       Manufacturing Location [Fertigungsverlagerung]

Processing [Verfahren]       Material [Material]       Quality / Reliability [Qualität / Zuverlässigkeit]

### Change Description [Beschreibung der Änderung]



#### 1. Cell

- Obsolete prismatic Li-Ion cell is replaced by a new LiPo cell
- Nominal capacity/energy: 3.81Ah instead of 3.88Ah / 14.47Wh instead of 14.70Wh
- All other values remain unchanged.

#### 2. Housing

- The two-side plastic housing with wrapped device label is replaced by a stable five-side plastic housing with wrapped device label.
- This updated housing is fully compatible to former revisions.
- Neither the dimensions nor the key features or the positions of the contacts have changed.

#### 3. Regulatory

- Updated safety standard: The battery complies with IEC62133-2:2017
- Updated BIS standard for India: The battery complies with IS16046(Part 2):2018
- New CMIM mark for Morocco: 
- New UKCA mark for United Kingdom: 
- The Thailand mark will show a corresponding QR code.
- EAC mark is deleted because this battery is no longer in scope of EAC.

#### 4. Factory location will change within Taiwan.

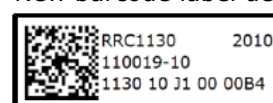
RRC has updated its logistic process. This will be reflected by the changes on the labels for battery and packaging. With upcoming pre-production (110019-12), these design changes will be implemented.

#### 5. Barcode label on battery and on single box will change

Old barcode label design:



New barcode label design (example):



The definition of the content on the new barcode label is shown in separate document.

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SETTING STANDARDS  
IN POWER SOLUTIONS

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### 6. Serial number definition will change

As shown in above barcode label the serial number definition will change. Most customer's complaint to have the date code integrated in the alphanumeric serial number only. Now we extract it from the serial number and will have it in format YYWW (year + week, e.g. 2010), same as on the chargers. The new date code is available on the battery's barcode label, the single-box and the outer-box label.

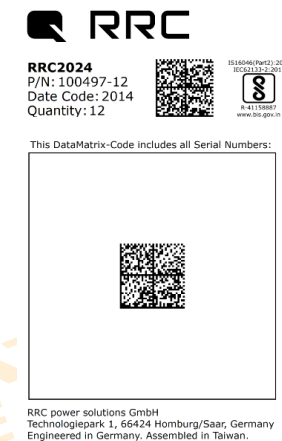
The prefix section "CT:C" from the serial number is deleted. Next sections for model code, revision of pre-assembly and factory line remains the same. The last six digits are now in hex format and reserved for the continuous numeration of the production units, independent from manufacturing date.

### 7. Barcode label on outer-box will change

Old barcode label design:



New barcode label design (example):



The definition of the content of new outer-box label is shown in separate document.

The separate data matrix code in the frame will include the serial numbers of all 96 batteries packed in one outer-box. The data matrix code above will include model code, part number and date code.

### Identification of Change [Erkennen der Änderung]

Traceability is ensured by revision step, see paper label on the single box for each battery as well as on the outer box for 96 pieces of batteries (see examples above).

### Impact on Quality and / or Reliability [Auswirkungen auf die Qualität bzw. die Zuverlässigkeit]

Improvement of quality, reliability and traceability.

Battery pack is fully compatible to former revisions.

Qualification Data [Nachweise]	<input type="checkbox"/> Available [verfügbar]	<input checked="" type="checkbox"/> Will be available [wird verfügbar sein]	<input type="checkbox"/> Not applicable [nicht zutreffend]
Samples [Muster]	<input type="checkbox"/> Available [verfügbar]	<input checked="" type="checkbox"/> Will be available [wird verfügbar sein]	<input type="checkbox"/> Not applicable [nicht zutreffend]

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Estimated implementation Date* [Voraussichtliches Datum der Einführung]	Last Time Buy of pre-change product [letzte Bestellung für ungeändertes Produkt bis]	Last Time Ship of pre-change product [letzte Lieferung des ungeänderten Produkts]
a) Pre-production samples for customer approval (#110019-12) with CB, CE, UL and UN approval available in August 2021 b) Mass-production (#110019-13) with worldwide approvals available from October 2021	na	na

\*: The estimated implementation Date is the forecasted date that a customer may expect to receive the changed product. This is determined by the estimated date of inventory depletion on the Product Change Notification (CN) issue date. This may be affected by fluctuation in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, RRC will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product shipped to customers after this forecast date.

[Das voraussichtliche Datum der Einführung ist ein vorhergesagtes Datum an dem der Kunde das geänderte Produkt erhalten könnte. Dies bestimmt sich durch das voraussichtliche Datum des Lagerbestandsabbaus in Verbindung mit dem Herausgeben der Änderungsmitteilung / Product Change Notification (CN). Dieses wiederum kann beeinflusst werden durch Schwankungen bei Lieferung und Nachfrage. Konsequenterweise, obwohl der Kunde vorbereitet sein sollte das geänderte Produkt zu erhalten, wird RRC weiterhin das ungeänderte Produkt ausliefern, bis zu dem Zeitpunkt, an dem das Lager geräumt ist. Dieser Umstand könnte dazu führen, dass ein ungeändertes Produkt zu einem Zeitpunkt an den Kunden ausgeliefert wird, welcher zeitlich nach dem vorhergesagten Termin liegt.]

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RRC will deem this change accepted unless specific conditions of un-acceptance are provided in writing within 30 days from the date of this notice. All correspondence must be sent to the Quality Contact email address listed above.

[RRC wird diese Änderung als vom Kunden akzeptiert betrachten, wenn nicht innerhalb von 30 Tagen mit ausreichender Begründung in schriftlicher Form widersprochen wird. Jegliche Korrespondenz hierzu muss an die oben genannte email-adresse des zuständigen Qualitäts-Verantwortlichen gesendet werden.]

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