TENTATIVE

File No. UR1865-3309

Date: 2012/12/10

SANYO LITHIUM ION BATTERY SPECIFICATION

BATTERY CLASSIFICATION	LITHIUM ION BATTERY
BATTERY TYPE	UR18650E-H07BA(UR18650EA)
SANYO CODE	
CLIENT Shenzhen Syr	en Energy Technology Co., Ltd.
[The client's agreement]	
Signature:	
Name in block letters:	
Date:	
*"If there is no reply within 30 days after	the delivery. This document shall be

*"If there is no reply within 30 days after the delivery, This document shall be presumed valid.

Energy Company of Panasonic Group Energy Company, SANYO Electric Co., Ltd.

Portable Rechargeable Battery Business Group Lithium-Ion Battery Business Unit PA • BA Technical Service Group PA Business Development Team

Dft.	y. Kageyama
Chk.	S. Adachi
Chk.	M. Sto
Chk.	16. Terraka
App.	At Alexander

Confidential

Contents

Publication Record	Page 1
	2
2. Safety Instructions	۷
3. Extent of the Application	6
4. Battery Classification and Type	6
5. Nominal Specifications	6
6. Electrical Characteristics	7
7. Design and Dimensions	8
8. Appearance	8
9. Shipping Charge	8
10. Precautions on Designing of Pedelec, the Charger and the Battery Pack	9
11. Storing Conditions	10
12. Handing Precautions for Lithium Ion Cells	11
13. Warranty Exemptions	11
14. Other Remarks	11
15. Standard Charging Method	12
16. Battery Warranty Period	12
17. Battery Safety Requirements	12
18. Document Terms (Only Tentative Specification)	12

Confidential

Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	1/12

1. Publication Record

Vo.	Date	Class	Items		
				Dft.	y Kageyama Y.Kageyama
				Chk.	S.Adachi S. Adachi
(0)	2012/12/10	_	Issue(Tentative)	Chk.	M. Ho M. Ata
				Chk.	K.Tanaka / L. TAMAKA
				App.	Amarkui Alen
				Dft.	
				Chk.	
				Chk.	
				Chk.	
				App.	
				Dft.	
				Chk.	
				Chk.	
				Chk.	
			*	App.	
				Dft.	
				Chk.	
				Chk.	
				Chk.	
				App.	
*K	ey to Class a	bbrevia	ations: A for Added, D for Delete	d, R fo	r Revised

File No. UR1865-3309 Energy Company, SANYO Electric Co., Ltd.
Portable Rechargeable Battery Business Group
Lithium-Ion Battery Business Unit

		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	2/12

2. Safety Instructions

Prohibited Actions

The cell contains flammable objects such as organic solvents. If the battery is mishandled, it may cause fire, smoke or an explosion and the battery's functionality will be seriously damaged. Please read and check the following prohibited actions. Also, please equip a protection in the application so the application troubles don't affect the battery. Additionally, SANYO highly recommends embedding these instructions into the owner's manual.

! Danger

Immersion

"Do not immerse the battery with liquid such as water, sea water or soda."

If the protection circuit in the battery is broken with liquid, the battery cannot be protected and may catch on fire, smoke, explode, or cause heat generation by unexpected electrical load.

High Temperature

"Do not use or place the battery near fire, a heater or a high temperatures (more than 80° C)."

The battery's polyolefin separator may get damaged from the heat and could cause an internal short circuit. This may cause the battery to catch on fire, smoke, explode, or cause heat generation.

Charger and Charge Condition

"Do not use unauthorized chargers."

If the battery is charged under unacceptable conditions (For example: usage in restricted temperature ranges, over voltage, or over current with unauthorized chargers) the battery may catch on fire, smoke, explode, or cause heat generation.

Reverse Polarity

"Do not force a reverse-charge or a reverse-connection."

The battery has correct polarity. If the battery doesn't fit, please check the battery's orientation and do not force into the battery mount. If the battery is forced to set with a different polarity, the battery may catch on fire, smoke, explode, or cause heat generation.

Direct Connection

"Do not connect the battery with AC plug (outlet) or car plugs."

The battery requires a specific charger. If the battery connects with the outlet directly, the battery may catch on fire, smoke, explode, or cause heat generation.

Inappropriate Use with Other Equipment

"Do not adapt the battery to unspecified applications."

If the battery is used for unspecified applications or systems, the battery may get damaged or catch on fire, smoke, explode, or cause heat generation.

		Energy Company, SANYO Electric Co., Ltd.
File No	UR1865-3309	Portable Rechargeable Battery Business Group Lithium-Ion Battery Business Unit
		Zitinam for Battery Basiness Sim

_		Col	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	3/12

Incineration and Heat

"Please keep the battery away from heat and fire"

The battery materials will get damaged and may catch on fire, smoke, explode, or cause heat generation.

Short-Circuit

"Do not make a short-circuit."

Do not connect the + and - terminals with conductive material. Do not carry or store the battery with metal objects (such as wire, necklace or hairpins). If the battery is in a short-circuit, excessive large current will flow and may catch on fire, smoke, explode, or cause heat generation.

Impact

" Avoid unnecessary impact to the battery"

Unnecessary impact may cause the battery to leak, heat generation, smoke, fire or explode. Also, the protection circuit may break and that will lose the function of the battery's protection system.

Penetration

" Do not penetrate with a nail or strike with a hammer"

The battery cell may get destroyed or damaged. And the battery's protection circuit may get damaged and case an internal short-circuit. Additionally, the battery may catch on fire, smoke, explode, or cause heat generation.

Soldering

"Do not directly solder the battery"

The insulator could melt or the gas release vent might get damaged from the heat.

Additionally, the battery may catch on fire, smoke, explode, or cause heat generation.

Disassemble and Reconstruction

"Do not disassemble the battery"

If the protection circuit gets damaged, the battery will not be protected. Then, the battery may catch on fire, smoke, explode, or cause heat generation.

Charge near High Temperatures

"Do not charge the battery near high temperatures"

If the battery is charged near high temperatures, the battery may not be able to charge due to the activation of the protection circuit. In these conditions, the protection circuit may break and the battery may catch on fire, smoke, explode, or cause heat generation.

Deformation

"Do not use the battery with conspicuous damage or deformation"

It causes the generating heat, smoke, rupture or flame.

Reverse Charge and Overdischarge

"Do not reverse polarity (and terminals)

On charging, the battery is reverse-charged and abnormal chemical reaction occurs. And also, there may be case that unexpected large current flows on discharging. These cause the generating heat, smoke, rupture or flame.

		Energy Company, SANYO Electric Co., Ltd.
File No	UR1865-3309	Portable Rechargeable Battery Business Group
		Lithium-Ion Battery Business Unit

		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	4/12

! Warning

Ingestion

"Keep away from infants"

The battery should be kept away from infants. In case of swallowing the battery, see a doctor immediately.

Storing

"Do not put the battery in the microwave or other cooking appliances"

The battery may catch on fire, smoke, explode, or cause heat generation due to heat or the electrical impact from the microwave.

Mixed Use

"Do not mix the battery with other batteries."

The battery should not be used with other batteries with different capacity, chemistry or manufacturer. Do not connect with other batteries or mix with other batteries. The battery may catch on fire, smoke, explode, or cause heat generation.

Rust, Changing Color and Deformities

"Do not use abnormal batteries."

Please stop using the battery if there are noticeable abnormalities such as abnormal smell, heat, deformities, or discoloration. The battery may have a defect and may catch fire, smoke, heat generation or explode if used continuously.

Charging Time

" Stop charging if the charging process cannot be finished."

If the battery can not finish the charging process within the specified time, please stop the charging process. The battery may catch on fire, smoke, explode, or cause heat generation.

Leakage①

"Do not use a leaking battery near flames"

If the battery or liquid leaking from the battery has a pungent odor, the battery should keep away from flames. The battery may ignite and explode.

Leakage②

"Do not touch a leaking battery"

If the liquid leaking from the battery gets into eyes, it will cause significant damage. If the leaking liquid gets into your eyes, please flush eyes immediately with pure water. Please consult a physician immediately. If the liquid remains in the eyes it will cause significant damage.

Transport

" Pack the battery tightly during transport"

To prevent short-circuit or damages, please tightly pack the battery into a case or a carton box.

		Energy Company, SANYO Electric Co., Ltd.		
File No	UR1865-3309	Portable Rechargeable Battery Business Group		
		Lithium-Ion Battery Business Unit		

_		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	5/12

! Caution

Use under Direct Sunlight

Do not use or leave the battery in excessive heat such as in a car in direct sunlight. The battery may catch on fire, smoke, explode, or cause heat generation. Also, it might cause a deterioration of battery's characteristics and battery life.

Static Electricity

The battery pack has a protection circuit. Do not use the battery where it generates static electricity (more than 100V) that might damage the protection circuit. If the protection circuit is broken, the battery may catch on fire, smoke, explode, or cause heat generation.

Charging Temperature Range

Charging temperature range is regulated between 0°C and 45°C. Do not charge the battery out of the specified temperature range. Otherwise, it may cause heat generation, leakage or a serious damage. Also, it might cause deterioration of the battery's characteristics and battery life.

Manual

Please read the manual before usage. Please save the manual for future reference.

Charging Method

Please read the charger's manual for the charging method.

First Time Use

Please contact the supplier If the battery has unusual odor, heat generation or rusts during the first usage.

Use by Children

Parents must explain how to use the system and the battery. Please check back periodically to ensure children are using the system and the battery correctly.

Inflammable Materials

Please keep away from flammable materials during the charge and the discharge. It may catch on fire, smoke, explode, or cause heat generation.

Leakage

If electrolyte leak from the battery and adhere to the skin or clothes, immediately flush it with water. Otherwise, it may cause skin irritation.

Insulation

If lead wires or metal objects come out from the battery, please seal and insulate them completely. Otherwise, the battery may cause a short circuit and catch on fire, smoke, explode, or cause heat generation.

Recycle

Please recycle the battery according to local rules or regulations after use.

		Energy Company, SANYO Electric Co., Ltd.
File No	UR1865-3309	Portable Rechargeable Battery Business Group
		Lithium-Ion Battery Business Unit

Confidential

Title Specifications of Lithium Ion battery (Cylindrical Type) page 6/12

3. Extent of the Application

This specification is applied to SANYO Lithium Ion Battery of UR18650E-H07BA(UR18650EA) for Pedelec with Shenzhen Syren Energy Technology Co., Ltd.

For special applications in which quality and reliability are required, or if the failure or malfunction of the products may directly jeopardize life or cause threat of personal injury such as for weapon, aircraft and aerospace equipment, aircraft electronics equipment, medical equipment (a part of class 2 equipment, class 3 or more equipment), or cause large-scale system troubles, explosion-proof equipment, electric vehicle, hybrid electric vehicle, and electric motor cycle (except electric power-assisted bicycle), this specification shall not be applied.

4. Battery Classification and Type

4.1 Battery Classification

4.2 Battery Type

SANYO Lithium Ion Battery UR18650E-H07BA (UR18650EA)

5. Nominal Specifications

Items				Specifications	Notes
5.1	Rated Capacity			2200mAh	0.44A discharge at 20°C
			Minimum ^{**1}	2250mAh	0.44A discharge at 25°C
5.2	Capacity		Typical	2350mAh	Reference only
			Турісаі	2550HIAH	0.44A discharge at 25°C
5.3	Nominal Voltage			3.60V	0.44A discharge at 25°C
5.4	Discharging End Vo	ltage		2.75V	
5.5	Charging Current (S	td.)		1.54A	
5.6	Charging Voltage			$4.20 \pm 0.03V$	
5.7	Charging Time (Std.	.)		3.0 hours	
5.8	Continuous Dischargi	ng Cur	rent (Max.) ^{×2×3}	8.0A	0 ~ +40°C
5.9	Internal Resistance			less than $45 \text{m}\Omega$	AC Impedance 1 kHz
5.10	Weight			less than 47.0g	
- 44	O	-4	Charge	0 ~ +45°C	
5.11	5.11 Operating Temperature		Discharge	-20 ~ +60°C	
5.12	less than 1 month		than 1 month	-20 ~ +50°C	Percentage of
S	toring Conditions	less	than 3 months	-20 ~ + 40°C	recoverable capacity
			than 1 year	-20 ~ + 20°C	80% ^{*4}

^{※1} Capacity is measured by the discharge at 0.44A until end voltage of 2.75V after fully charged at 25℃ as described in the specification.

The discharging time is measured by the discharge current of 0.44A until 2.75V of end voltage after the battery is fully charged at 25°C.

		Energy Company, SANYO Electric Co., Ltd.			
File No	UR1865-3309	Portable Rechargeable Battery Business Group			
		Lithium-Ion Battery Business Unit			

^{*2} Discharge at high rate or high temperature environment will accelerate the degradation of the battery capacity. As a result, battery life will be shorten.

^{*3} The maximum discharge current for a single cell use. However after the battery pack assembly, there will be a limitation of maximum discharge current due to a protection circuit or a protection device.

¾4 Percentage of recoverable capacity

^{= (}Discharging time after storage / Initial discharging time) ×100

	_			Cor	nfidential		
Title	Spec	cifications	of Lithium Ion battery (Cylindrical Type)	page	7/12		
6. Electr	6. Electrical Characteristics						
	ms		Conditions	С	riteria		
6.1 Full Charge		until the reduced	tery is charged with 1.54A constant current voltage reaches 4.20V. Then, the current is in order to keep the constant voltage of the total charging time is 3.0 hours at 25°C.				
6.2 Capac	ity	battery	1 hour, after fully charged at 25°C, the is discharged with 0.44A continuously until of end voltage at 25°C.	More th	an 300min.		
		battery	1 hour, after fully charged at 25°C, the is discharged with 2.2A continuously until of end voltage at 25°C.	More th	an 54min.		
Disch 1.54 <i>A</i> 2.2A		Dischar 1.54A-4 2.2A to	ttery is repeated 300 times of Charge and ge cycles, (Charged by CC-CV of .20V for 3.0 hours, Discharged by CC of 2.75V (E.V.)) at 25°C. After the 300 cycles, harge time is measured by the Item 6.2.②.	More th	nan 38min.		
6.4 Tempe Charac	erature teristics	battery	1 hour, after fully charged at 25°C, the is stored at 0°C for 3 hours. After that, the arge time is measured Item 6.2.② at 0°C.	More t	han 30min.		
batte the		battery	1 hour, after fully charged at 25°C, the is stored at 60°C for 3 hours. After that, scharge time is measured Item 6.2.② at	More t	han 50min.		
Charged State 2		20 days	Ily charged at 25°C, the battery is stored for a at 60°C. After the storage, the battery is 5°C for 3 hours. Then, the discharge time is ed Item 6.2.②.	More th	nan 30min.		
chec		· ·	he same battery is fully charged again and d the second discharge time by the Item at 25°C.	More th	nan 40min.		
Energy Company, SANYO Electric Co., Ltd. File No UR1865-3309 Portable Rechargeable Battery Business Group Lithium-Ion Battery Business Unit							

_			Cc	nfidential
Title	Spec	ifications of Lithium Ion battery (Cylindrical Type)	page	8/12
_	ge at Full ed State	After fully charged at 25°C, the battery is discharged by the Item 6.2.②. Then, the battery is stored for 10 days at 60°C. After the storage, the battery is set in 25°C for 3 hours. Then, the discharge time is measured by Item 6.2.② at 25°C. After fully charged at 25°C, the cell is dropped 3 times in random direction from a height of 1 m onto a flat surface of concrete.		

STANDARD TEST CONDITIONS:

The tests shall be implemented with new batteries that were delivered within the last 7 days.

The tests shall be performed at 25 ± 2 °C (The standard temperature of second grade is specified by *JIS Z 8703* (Standard Test Conditions)), 65 ± 20 % (The standard humidity of twentieth grade is specified by *JIS Z 8703* (Standard Test Conditions)). The grade of voltmeter and ammeter in the tests shall be higher than Class 0.5 which is specified by *JIS C 1102* (Electric Indicator).

7. Design and Dimensions

The battery design is shown in the following documents or drawings. (Drawing No. UR18650E-H07BA01)

8. Appearance

The battery should not have the following appearance issues at delivery:

- Scratch
- Rust
- Discoloration
- Dirt
- Deformation
- Leakage

The battery should be in good condition.

9. Shipping Charge

The battery is shipped out with the approximately 40%* charged state.

*The 40% capacity is the condition in which SANYO ships the battery but it's not the condition when Shenzhen Syren Energy Technology Co., Ltd. receives the battery.

	UR1865-3309	Energy Company, SANYO Electric Co., Ltd.
File No		Portable Rechargeable Battery Business Group
		Lithium-Ion Battery Business Unit

_		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	9/12

10. Precautions for Designing of Pedelec, the Chargers and the Battery Packs

10-1. Precautions for Designing of Pedelec and the Charger

(1) Charge

- · The battery is charged by a method of constant current-constant voltage.
- · Regarding UR18650EA, the charging current should not exceed 2.2A/cell.
- The charging voltage should not exceed 4.20V/cell.
 The charging voltage is required to be set to less than 4.20V/cell with considering the accuracy of charger. Even if the charger is failed, the total safety shall be secured.
- The charger shall be equipped with a pre-charge system. If battery voltage goes down to less than 3.0V/cell, the battery should be charged by pre-charge current of maximum 0.22A. Once, the battery reached more than 3.0V/cell by the pre-charging, the charger can resume the standard charging method. However, if the battery voltage never recovers more than 3.0V/cell, the charger must be stopped and turned off.
- The charger shall be equipped a full charge detection.
 The charger shall detect the full-charged state by a timer, current detection or open circuit voltage detection. When the charger detects the full-charge, the charger shall stop charging. Do not apply the continuous charging (trickle charging) method.
- The charging temperature range should be set between 0°C to +45°C.

(2) Discharge

- The discharge current should not exceed 8.0A/cell.
- The discharge temperature should be between -20°C to +60°C.
- The discharge end voltage should be more than 2.75V/cell.
- (3) Over discharge
- Do not discharge the battery less than 2.0V/cell.
- (4) Design of Pedelec and Chargers.
 - The cells should be kept away from heat generating electronic parts in order to avoid deterioration of battery performance.

10-2. Precautions for Battery Pack Design

- (1) Shape, mechanism and material of battery packs
 - The battery pack should be designed so it does not connect with to unauthorized chargers.
 - The battery pack should be designed so it cannot connect with unauthorized equipment and/or devices.
 - The terminal shape should be designed to avoid short circuit issues. In addition, the battery pack should be equipped with an over current protection function in order to prevent from external short circuit issues.
 - The terminal shape and structure should be designed so it does not connect in backwards.
 - The battery pack should be designed to prevent static electricity, electrolyte or water ingress issues.

		Energy Company, SANYO Electric Co., Ltd.
File No	UR1865-3309	Portable Rechargeable Battery Business Group
		Lithium-Ion Battery Business Unit

_		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	10/12

- The battery pack should be designed so the protection circuit functions can be inspected during the assembly process.
- The battery pack should be designed so electrolyte cannot reach to the protection circuit board even if electrolyte leak out of the cells.
- The cells should be fixed by a tape or a glue in the case. If the battery pack is dropped, the cells should be protected against dents, deformations and other mechanical stresses.
- Plastic cases should be closed with glue. If an ultra sonic welding method is applied to the case sealing, SANYO will not take any responsibilities for any defects.
- · The pack shall be designed so end users cannot remove or disassemble the cells.
- (2) Protection Circuit

The following protection circuit should be equipped in the battery pack:

Overcharge protection

For safety reason and in order not to shorten the cycle life, max overcharge protection voltage of each block should be under 4.25V/cell including tolerance.

Over discharge protection

If cell voltage reaches approximately 2.2V/cell, we recommend the over discharge protection will shut down the discharge current and the circuit consumption current will be set to less than $1\mu A$.

· Over current protection

If discharge current exceeds approximately 8.0A/cell, the over current protection will shut down the current.

- (3) Electric Circuit
 - To avoid over discharge mode during long storage times, the consumption current of the battery pack's protection circuit should be set as low as possible.
- (4) Cell Connection
 - The cells should not be connected using a soldering process. In order to avoid any damages, cells should be connected to lead plates by a spot welding method.
- (5) Precautions on Label
 - · The rating label should indicate required information and precautions.

The precautions should be based on the information in section 2.

11. Storing Condition

- 11-1 Storage Temperature and Humidity (Within 3 months)
 - Cells should be stored between -20°C to +40°C in a low humidity condition (less than 70%RH) without any corrosive gases.
 - · No condensation on the cell
- 11-2 Long Duration Storage
 - Cells should be stored between -20°C to +20°C in a low humidity condition (less than 70%RH) without any corrosive gases. We recommend the discharged state or partially charged state SANYO shipped out for the long duration storage.
 - No condensation on cells.

		Energy Company, SANYO Electric Co., Ltd.		
File No	UR1865-3309	Portable Rechargeable Battery Business Group		
		Lithium-Ion Battery Business Unit		

-		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	11/12

12. Handling Precautions for Lithium Ion Cells

•This section describes handling precautions for SANYO lithium ion cells which will be assembled as Pedelec's battery packs with

Shenzhen Syren Energy Technology Co., Ltd. This battery pack consists of UR18650EA.

12-1 Series Connections Precautions

- When the cells are connected in series, use the same rank, lot number and charging date cells. These contents are described in the label on the carton. In addition, the cell voltage should be checked and the cell voltage should be within 25mV.
 - * Lot number on carton label.

12-2 Inspection of the Battery Pack before Shipping

All battery packs shall be inspected for:

- Voltage
- Internal impedance
- Function of protection circuit
- Thermistor resistance
- Thermal fuse

12-3 Abnormal Cells

• Do not use damaged cells by dropping, and/or short circuit and cells with electrolyte smell and any other damaged cells.

13. Warranty Exemptions

- · SANYO will not be liable for any damages that are caused by violations of the precautions in this specification.
- SANYO will not be liable for any problems caused by design defects of the battery packs, Pedelec and/or chargers.
- SANYO will not accept any abnormal cells that were caused due to any incorrect assembly process.

14. Other Remarks

- · If there are problems in this specification, SANYO will take them into consideration.
- · SANYO can discuss specs or precautions that are not described in this specification.
- · Do not use the provided cells for other applications.

_		Co	nfidential
Title	Specifications of Lithium Ion battery (Cylindrical Type)	page	12/12

15. Standard Charging Method

- (1) The standard charge condition is 1.54A/cell 4.20V/cell (Constant current-constant voltage). The charging process should be discontinued when either time, the, OCV or current, reach certain values.
- (2) In case of the over discharge state(For example: Battery voltage is less than 2.0V/cell), the battery should be charged by a pre-charge system in order to prevent FET's heat generation in a circuit.
- (3) The pre-charging current should be approximately 0.22A. Once the battery voltage reaches more than 3.0V/cell with, the charger can resume the standard charging method. The pre-charging should have a cut-off timer and if the voltage doesn't recover over 3.0V/cell in the set time, the charging should be stopped.
- (4) The current interrupt device (CID) may work if the battery is charged continuously after fully-charged and/or is charged at high temperature.

 Please consult SANYO for charging method instructions.

16. Battery Warranty Period

The warranty period is limited to one year from date of shipment. SANYO will replace batteries if it is clear that there was a defect in SANYO's manufacturing process and that the battery was not misused.

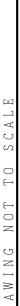
17. Battery Safety Requirements

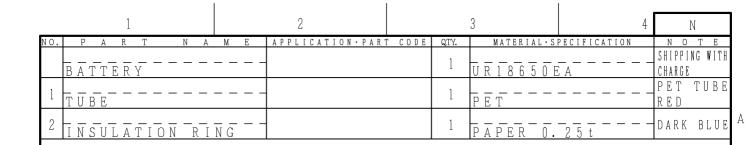
In order to ensure the safety of the battery, please contact SANYO to discuss the application design from a mechanical or a electrical viewpoint. Also, if there are special conditions (For example: lager current load, a quick charge method or an unique usage pattern), please contact SANYO to check the conditions before the product specification is fixed.

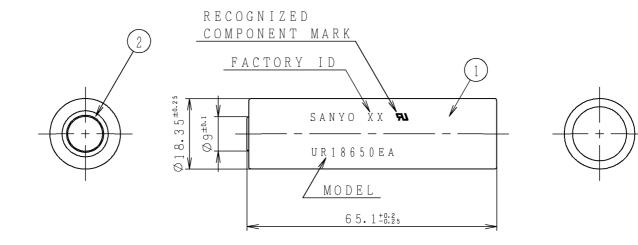
18. Document Terms (Only Tentative Specification)

- (1) The expiration period for this document is 6 months.
- (2) If a new document is released, please return or dispose the old one.
- (3) This document is still preliminary. The contents are not fixed completely.

		Energy Company, SANYO Electric Co., Ltd.				
File No	UR1865-3309	Portable Rechargeable Battery Business Group				
		Lithium-Ion Battery Business Unit				

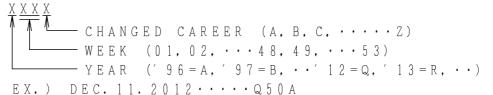






NOTE.

1. STAMP LOT NO. ON THE TUBE.



- 2. STAMP "SANYO", FACTORY ID, MODEL & RECOGNIZED COMPONENT MARK ON THE TUBE.
- 3. STAMP FACTORY ID ON THE TUBE AS SHOWN IN THE FOLLOWING TABLE. 1.

TABLE. 1

FACTORY ID	FACTORY
L	SANYO ENERGY HIGASHIURA CO., LTD.
ΤD	TSUNADENKI CO., LTD
С	CHUOU ELECTRIC CO.,LTD
K	SANYO ENERGY KAIZUKA CO., LTD.

DATE		REMARK		/1\			┒
DEC. 11. 2012				$\overline{\mathbb{A}}$	DEC. 11. 2012	1st DRAWING (I. Shimojyou)	1
D R	I. Shimojyou			SYM	DATE	DESCRIPTION	
		MODEL:UR1865	0 E - H 0	7 B A	材 料・規 格		
СНК	K. Yoshimoto	CUSTOMER CODE:			MATERIAL		
			WEIGHT		処 理・加 エ		
СНК		250< L ± 5	Approx.	g	FINISH	T	1
ENG		< L ≤ <u>+</u>		UNIT	部 品 名	完成電池	
				m m	PART NAME	BATTERY PACK (finish goods	,)
АРР	M. Kagoshima	1 8< L ≤ 5 0 ± 3	QTY	SCALE	PART CODE	Rev.	
		L ≤ 18 ± 2	1	1/1	DRAWING NO	UR18650E-H07BA01	

D

Ε