
PRODUCT SPECIFICATION

(Product Name: Nickel-Metal Hydride rechargeable battery)


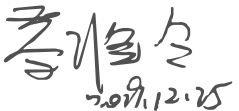
(Type) :ACH9064

(Project Number):

(Customer Code):

(CUSTOMER APPROVED P/N): _____

(PRODUCT P/N): _____

PREPARED BY	CHECKED BY	APPROVED BY	SALES CHECKED BY
			

1. DATASHEET:

1.1 Nominal voltage : 1.2V

1.2 Typical weight : 24.9g

1.3 Standard charge: 150mA×15hours

1.4 Standard discharge : 300mA to 1.0V

1.5 Trickle charge : 30 ~ 45mA

1.6 Discharge cut-off voltage in condition of trickle charge: 0.85V

1.7 Temperature range for operation : 0~+70 C

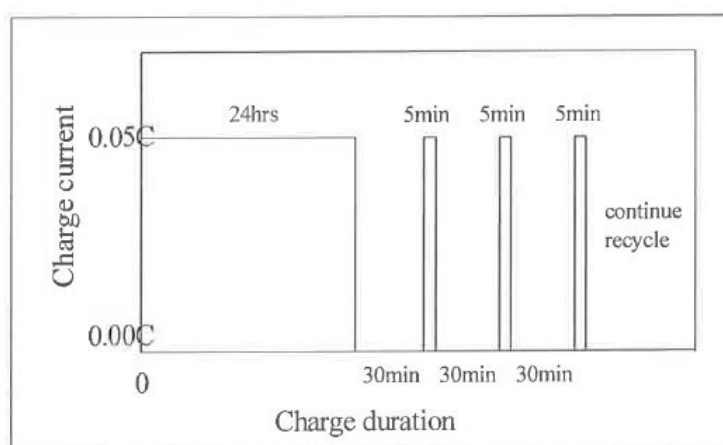
1.8 Temperature range for storage : Within 6 months: -20~+30 C

° Within a month: -20~+40 C

° Within a week: -20~+50 C

1.9 Recommended charge method

Sheet 1



2. PERFORMANCE

2.1 TEST METHOD & PERFORMANCE

Test item	Unit	Spec	Conditions	Remarks
Capacity	mAh	≥ 1500	Standard charge/discharge	Up to 3 cycles are allowed
Internal impedance (R)	m Ω	≤ 45	After fully charge (at 1000Hz)	Per Pack
High rate discharge	minute	≥ 108	Standard charge and discharge at 0.5CmA	End voltage is 1.0V/pks 1.0V
Safety device operation	N/A	No disrupt nor burst	Forced discharge is conducted for 60minutes at 1C after pre-	Leakage of electrolyte and deformation are acceptable

2.2 Special clause for Emergency Lighting luminaries

Item	Technical Data	International standards Clauses
Design lifetime under following conditions:	>4years	EN60598-2-22 IEC 61-951-2
<ul style="list-style-type: none"> ·Maximum continuous temperature ·Maximum occasional temperature ·Minimum temperature ·Preconditioning 24h charge ·Pulse charging ·Minimum operating time ·Cut off voltage ·Discharge frequency 	<ul style="list-style-type: none"> +50°C +65°C +5°C 75.0mA Ref. sheet 1 1 hour at 0.6C 3 hours at 0.25C 0.85V once/quarter 	<ul style="list-style-type: none"> Shorter than 1month Pulse charging after preconditioning 24h charge

3. PRECAUTION

3.1 The cells shall be delivered in charged condition, before testing or using, the cells shall be correctly charged or discharged in accordance with this specification.

3.2 Battery storage: when the battery stored for six months (form delivery to the lamp working) at -20~30°C, it

must be charged and discharged one cycle; and then charge the battery to 30%~50% capacity, the battery should be stored for another six months

3.2.1 Charge and discharge method: charge the battery for 24h by the lamp and discharge until the lamp turnoff, Or charge the battery at 0.2C for 5.5h and discharge to 1.0V/CELL at 0.5C.

3.2.2 Charge 30-50% method: charge the battery for 8h by the lamp or charge the battery at 0.2C for 2~2.5h.

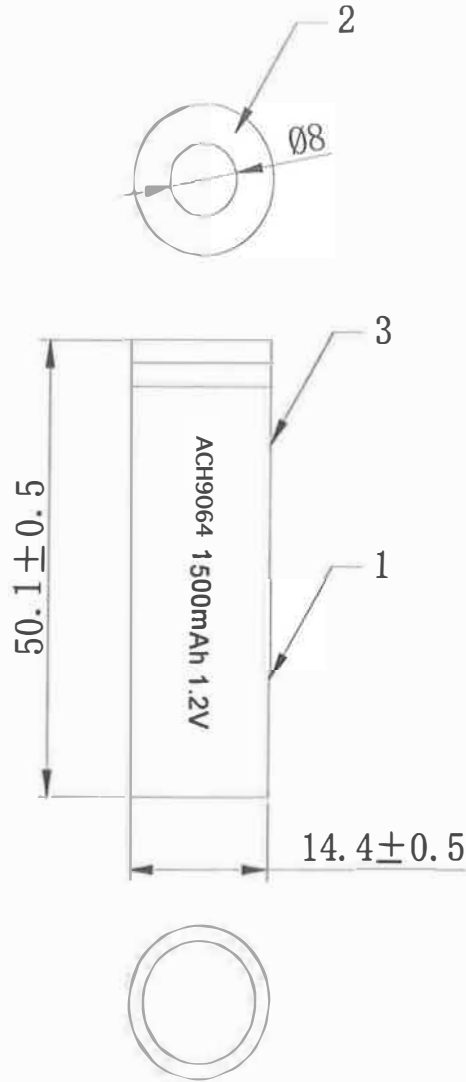
3.3 Products(lamp) storage before using: Do not connect the battery to the PCB before

products(lamp) working or the products(lamp) is in delivery, the battery must be stored independently. Connect the battery to PCB when the products(lamp) start working

3.4 Starting from the date of shipment, the warranty period is 12 months

4. DRAWING AND DIMENSION

DOCUMENT: ACH9064



Unit:mm

3	PVC	WHITE	1pcs
2	WASHER	WHITE PAPER	1pcs
1	CELL	H-AA1500BT	1pcs
NO.	MATERIAL	SPEC.	QTY

5. REVISE HISTORY

Revise History		
(Date)	(Version)	(Content)
2019/12/24	A/0	First Edition