



안전확인신고증명서

Confirmation Letter of Declaration

신고번호: XU100690-16004K
 (Application No.)
 신고회사명: SHENZHEN TAIWOO BATTERY CO.,LTD
 (Applicant)
 주 소: 2/F west, Building A, Junxinglong Industrial Park, Zhoushi Road,
 (Address) Shiyan Town, Bao'an District, Shenzhen City, Guangdong Province,
 제 품 명: 전지
 (Product)
 기본모델명: TW 103440
 (Basic Model)
 파생모델명 (Series Model):
 TW 503035 TW 602030
 TW 252040 TW 252540
 TW 304355 TW 301423
 TW 401025 TW 501743
 TW 523450 이면기재

정격/안전기준상의 모델구분: 3.7 V, 1 300 mAh

(Rating)

안전기준: KC 62133(2015-07)

(Standard)

본 확인신고는 제 조 국 명: 중국

제조업자명: SHENZHEN TAIWOO BATTERY CO.,LTD

제조공장의 주소: 2/F west, Building A, Junxinglong Industrial Park, Zhoushi Road,
Shiyan Town, Bao'an District, Shenzhen City, Guangdong

의 제품에만 해당함

「전기용품 및 생활용품 안전관리법 시행규칙」 제27조제1항·제3항 또는 제28조제2항에 따라 안전확인신고 증명서를 발급합니다.

We issue this Confirmation Letter of Declaration of the Safety Confirmation for the above appliances in accordance with Article 27(1), 27(3) or 28(2) of the Electrical Appliances and Consumer Products Safety Control Act.

2017 년 10 월 16 일

(Year) (Month) (Day)

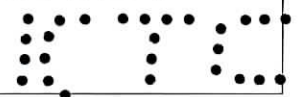


한국기계전기전자시험연구원
Korea Testing Certification



※ 이 신고증명서는 「전기용품 및 생활용품 안전관리법」에 따른 제품의 안전성 확인에 한정된 것이며, 그 밖의 다른 법률이 적용되는 제품의 경우에는 해당 법률에 따라 추가로 인증·허가 등을 받아야 합니다.

첨부서류	1. 전기용품의 안전관리부품 및 재질목록 (List of Critical Components)(전기용품에 한정한다) 2. 기본모델·파생모델의 내용 (Descriptions of the basic and series model) 3. 안전확인신고 내용의 변경 현황 (Revisions Status)
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TW 802048
 TW 322032
 TW 102050
 TW 302530
 TW 351455
 TW 353035
 TW 383450
 TW 401215
 TW 402525
 TW 453040
 TW 502630
 TW 602535
 TW 651725
 TW 703040
 TW 802020
 TW 902831
 TW632570
 TW602045
 TW302020
 TW303040
 TW402040
 TW502025
 TW603048
 TW603450
 TW123040

TW 302030
 TW 392263
 TW 301525
 TW 350926
 TW 351677
 TW 382774
 TW 401030
 TW 402438
 TW 431575
 TW 501646
 TW 503048
 TW 651317
 TW 701535
 TW 753450
 TW 802030
 TW 903048
 TW602025
 TW603030
 TW852535
 TW503040
 TW602035
 TW451565
 TW702847
 TW701893
 TW383178

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(Certificate No)

접수번호: 20170914 - 0052
(Receipt No)

1. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분(Section)	내용 (Description)
용도 (Normal use)	Lithium Battery Pack
내부구조 (Internal construction)	1 Cell, 1S 1P, Protection Circuit
외부구조 (External construction)	Connection
기타(Others)	

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제35조(안전확인대상제품의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with the Article 35 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

1.3 등록모델 (Registered Models)

구분 (Class)	모델명 및 정격 (Model / Rating)	기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	TW 103440 3.7 V, 1 300 mAh	
파생모델 (Series model)	TW 503035	Change capacity from 1 300 mAh to 500 mAh
	TW 252040	Rating is changed to 3.7 V, 155 mAh
	TW 301423	Change rating to 3.7 V, 55 mAh
	TW 322032	Change rating to 3.7 V, 110 mAh
	TW 102050	Change rating to 3.7 V, 1 000 mAh
	TW602025	Change rating to 3.7 V, 220 mAh
	TW123040	Change cell size to 12/30/40



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	TW603048	Change capacity 1 300 mAh -> 900 mAh
	TW632570	Change rating to 3.7 V, 1 200 mAh
	TW 602030	Change capacity from 1 300 mAh to 300 mAh
	TW 401025	Change rating to 3.7 V, 65 mAh
	TW 252540	Rating is changed to 3.7 V, 245 mAh
	TW 301525	Change rating to 3.7 V, 80 mAh
	TW383178	Change rating to 3.7 V 1 000 mAh
	TW702847	Change capacity 1 300 mAh -> 900 mAh
	TW602045	Change rating to 3.7 V, 560 mAh
	TW 392263	Change rating to 3.7 V, 500 mAh
	TW 304355	Rating is changed to 3.7 V, 740 mAh
	TW 501743	Change rating to 3.7 V, 285 mAh
	TW603030	Change rating to 3.7 V, 500 mAh
	TW603450	Change capacity 1 300 mAh -> 1 100 mAh
	TW 302530	Change rating to 3.7 V, 180 mAh
	TW 523450	Change rating to 3.7 V, 950 mAh
	TW 350926	Change rating to 3.7 V, 60 mAh
	TW701893	Change model name and cell size for sales purpose
	TW302020	Change rating to 3.7 V, 90 mAh
	TW 802048	Change rating to 3.7 V, 790 mAh
	TW 351455	Change rating to 3.7 V, 200 mAh



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	TW852535	Change rating to 3.7 V, 650 mAh
	TW 302030	Change rating to 3.7 V, 140 mAh
	TW303040	Change rating to 3.7 V, 300 mAh
	TW 351677	Change rating to 3.7 V, 370 mAh
	TW 353035	Change rating to 3.7 V, 300 mAh
	TW503040	Change rating to 3.7 V, 600 mAh
	TW 382774	Change rating to 3.7 V, 800 mAh
	TW402040	Change rating to 3.7 V, 280 mAh
	TW 383450	Change rating to 3.7 V, 500 mAh
	TW602035	Change rating to 3.7 V, 380 mAh
	TW 401030	Change rating to 3.7 V, 80 mAh
	TW502025	Change rating to 3.7 V, 180 mAh
	TW 401215	Change rating to 3.7 V, 40 mAh
	TW451565	Change rating to 3.7 V, 400 mAh
	TW 402438	Change rating to 3.7 V, 350 mAh
	TW 402525	Change rating to 3.7 V, 180 mAh
	TW 431575	Change rating to 3.7 V, 450 mAh
	TW 453040	Change rating to 3.7 V, 450 mAh
	TW 501646	Change rating to 3.7 V, 300 mAh
	TW 502630	Change rating to 3.7 V, 320 mAh
	TW 503048	Change rating to 3.7 V, 750 mAh



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	TW 602535	Change rating to 3.7 V, 500 mAh
	TW 651317	Change rating to 3.7 V, 100 mAh
	TW 651725	Change rating to 3.7 V, 220 mAh
	TW 701535	Change rating to 3.7 V, 350 mAh
	TW 703040	Change rating to 3.7 V, 850 mAh
	TW 753450	Change cell size to 75/34/50
	TW 802020	Change rating to 3.7 V, 220 mAh
	TW 802030	Change rating to 3.7 V, 400 mAh
	TW 902831	Change rating to 3.7 V, 700 mAh
	TW 903048	Change cell size to 90/30/48



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2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	PL414660	3.7 V, 1 300 mAh	KOLAS
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 501743	3.7 V, 285 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 523450	3.7 V, 950 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 802048	3.7 V, 790 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 322032	3.7 V, 110 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 392263	3.7 V, 500 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 102050	3.7 V, 1 000 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 301525	3.7 V, 80 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 302530	3.7 V, 180 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 350926	3.7 V, 60 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 351455	3.7 V, 200 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 503035	3.7 V, 500 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 351677	3.7 V, 370 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 353035	3.7 V, 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 382774	3.7 V, 800 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 383450	3.7 V, 500 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 401030	3.7 V, 80 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 401215	3.7 V, 40 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 402438	3.7 V, 350 mAh	



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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 402525	3.7 V, 180 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 431575	3.7 V, 450 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 453040	3.7 V, 450 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 602030	3.7 V, 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 501646	3.7 V, 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 502630	3.7 V, 320 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 503048	3.7 V, 750 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 602535	3.7 V, 500 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 651317	3.7 V, 100 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 651725	3.7 V, 220 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 701535	3.7 V, 350 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 703040	3.7 V, 850 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 753450	3.7 V, 1 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 802020	3.7 V, 220 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 252040	3.7 V, 155 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 802030	3.7 V, 400 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 902831	3.7 V, 700 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 903048	3.7 V, 1 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 632570	3.7 V, 1 200 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 602025	3.7 V, 220 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 602045	3.7 V, 560 mAh	



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부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 603030	3.7 V, 500 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 302020	3.7 V, 90 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 852535	3.7 V, 650 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 303040	3.7 V, 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 252540	3.7 V, 245 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 503040	3.7 V, 600 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 402040	3.7 V, 280 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 602035	3.7 V, 380 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 502025	3.7 V, 180 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 451565	3.7 V, 400 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 304355	3.7 V, 740 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 301423	3.7 V, 55 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 302030	3.7 V, 140 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW 401025	3.7 V, 65 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW123040	3.7 V, 1 300 mAh	
Battery Cell	SHENZHEN TAIWOO BATTERY CO.,LTD	TW383178	3.7 V, 1 000 mAh	
MOS-FET	Developer Microelectronics	DW01	SOT-23-6	
Protect IC	Developer Microelectronics	8205A	SOT-23-6	
PCB	FR4	-	30*4*0.5mm	



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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

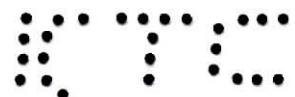
일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2016/03/04	안전확인(기본+파생)
2016/03/28	안전확인(내용변경) 신고업체명: SHENZHEN TAIWOO BATTERY CO.,LTD
2016/07/07	안전확인(파생등록)
2016/09/01	안전확인(파생등록)
2016/09/28	안전확인(파생등록)
2016/10/26	안전확인(내용변경) 신고업체명 제조사로 변경 SHENZHEN TAIWOO BATTERY CO.,LTD
2017/01/05	안전확인(파생등록)
2017/04/19	안전확인(파생등록)
2017/05/25	안전확인(파생등록)
2017/08/24	안전확인(파생등록)
2017/10/16	안전확인(파생등록)

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청 또는 안전확인변경신고를 하여야 합니다. 안전인증변경신청 또는 안전확인변경신고를 하지 않고 임의로 변경하는 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

The certificate holder should apply for a revision of the certificate if the registered critical components are to be changed, modified or alternated. Should the contents of Certificate are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

본 인증서(기술문서)는 제품명, 제조사명, 제품명, 신고업체명, 안전확인번호, 안전확인일자, 안전확인일자



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- 2) 공장주소(전화번호포함), 대표사, 상호 및 부속명칭, 신고인성명 등 안전인증 또는 안전확인신고의 내용이 변경되었을 때, 안전인증변경신청 또는 안전확인변경신고를 하지 않을 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

Should a factory address, president name, manufacturer name and critical component are altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Customer Products Safety Control Act.

- 3) 조건부 인증사항 (Conditional certification items):

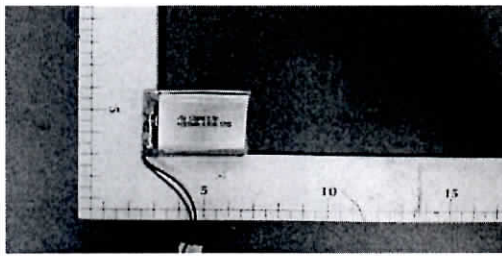
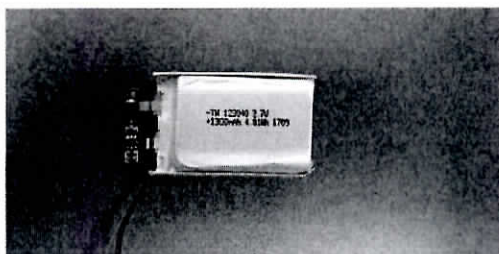
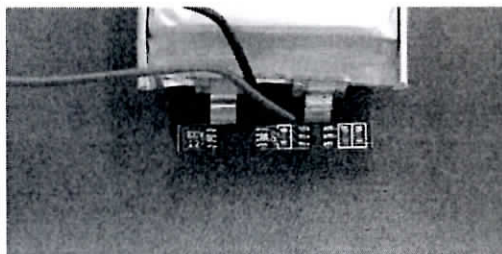


기술문서불임자료

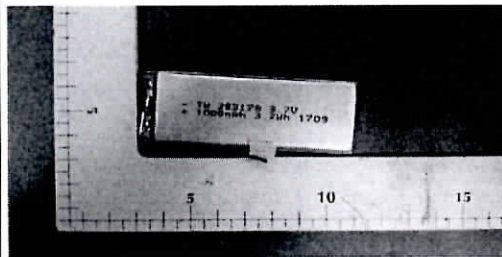
안전인증번호: XU100690-16004K

접수번호: 20170914-0052

No.1 파생 사진(TW123040)

TW123040 표시사항	TW123040 제품전면
<p>전기용품의 표시사항</p> <p>안전인증번호</p> <p>모 델 명 : TW123040</p> <p>제 품 명 : 전지</p> <p>정 격 : 3.7 V, 1 300 mAh</p> <p>제 조 업 체 명 : SHENZHEN TAIWOO BATTERY CO., LTD.</p> <p>제 조 년 월 : 2017. 08.</p> <p>A/S : +82-XX-XXX-XXXX</p> <p>제 조 국 : 중국</p>	
TW123040 제품내부	TW123040 보호회로
	

No.2 파생 사진(TW383178)

TW383178 표시사항	TW383178 제품전면
<p>전기용품의 표시사항</p> <p>안전인증번호</p> <p>모 델 명 : TW383178</p> <p>제 품 명 : 전지</p> <p>정 격 : 3.7 V, 1 000 mAh</p> <p>제 조 업 체 명 : SHENZHEN TAIWOO BATTERY CO., LTD.</p> <p>제 조 년 월 : 2017. 08.</p> <p>A/S : +82-XX-XXX-XXXX</p> <p>제 조 국 : 중국</p>	
TW383178 제품내부	TW383178 보호회로
