

Dr. Power Corporation





Contents

- 1. Background
- 2. Action Group Profile
- 3. The Best Business Partner
- 4. R&D
- 5. Quality Assurance
- 6. Certificate
- 7. Manufacturer
- 8. Products



1. Background

- Date of Foundation: 2003
- HQ: Taipei, Taiwan
- Capital: USD 1,500,000
- Employee: 65 (Factory: 45; Office: 20)
- Core Values: Integrity / Quality / Team
 Work/Continuous Improvement/Customized
 service/Customer Satisfaction



2. Action Group Profile

Action Group



LJ Device Co., Ltd. - since 1995

Agent for electronic parts or develop IC

- -Vibration Motor
- -Customized IC



Dr. Power Corporation. - since 2003

Renewable Energy Products

- -Battery Pack
- -Charging Dock



Action International, Ltd. - since 2007

Office in Shenzhen, China

- -Material Purchase
- -local transaction



Japone Technology Inc. - since 1992

Battery pack factory in Tamsui, Taiwan

- -Joint venture factory
- -DPC is the main shareholder



A&S Energy Co., Ltd. - since 2010

Battery pack factory in Xindian, Taiwan

- -Joint venture factory
- -DPC is the shareholder

















3. The Best Business Partner

Action Group



Industrial Technology Research Institute

IC design

-Customized IC



Weltrend Semiconductor, Inc.

IC manufacturing

-Customized IC



CPC Corporation, Taiwan

Renewable Energy Products

-Go-Kart Battery Pack



National Chung Shan Institute

of Science and Technology.

Renewable Energy Products

-Military Battery Pack



TOCAD Energy Co., Ltd.

Battery Cell supplier

-Panasonic/SANYO











4. R&D research and development

Action Group

R&D is the foundation of Dr. Power, more than 10 engineers specializing in electronic products.



Communication Engineering

NB IoT/LoRa/3G/4G/5G

- -Voice Pager
- -Human Machine Interface



Hardware Engineering

Renewable Energy Products

- -PCB layout
- -BMS design



Firmware Engineering

MCU

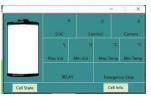
-Adjust operation logic

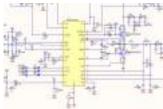


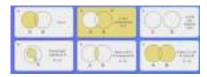
Mechanical engineering

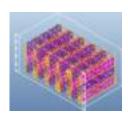
Renewable Energy Products

- -Appearance design
- -Internal structural design











5. Quality Assurance

•Quality Assurance :

- © Customer satisfaction
- **⊚ TQM**
- Certificate:

 - UL certified quality assurer
 - **TUV** certified quality assurer
 - © EHS



6. Certificate-ISO 9001: 2015/UL/TUV

Action Group







Warufurbiner's Declaration per bub-clause 4.2.5 of (ECCE II)

sample of spirital for the evaluation is set (in proceedings of the products from each factory near

emunicational seast that shall be identified to the General product information section.

Name and address of factory (but.

Japone Technology Inc. (10 No. 17532) 37 McCRI, Virgolanay Pol. Technol Dol. 18 No. Nov. Tupor Chy. Tell Mark.

Figure 84. < 084.170304.400

The modification organize as better in

Revive block their gifts along requestions, one page 4 and obstinent photo for details.
 Revived receives a software temperature of decharge condition from the fit is fit in , one detail for make

No years were doubled recovery for this recollitation

General product information

This equipment is a rhechargootte Li-Lin Biotony for use in the portade applications.

The internal arther better the perfect position at 10 for chapting and MINS for discharging conditions.

Deballs information of the Phartespeakle Living Radios, we us follows:

Product repres	Plant proposition Later Delitery						
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Normal religio (10%)	11.						
more at capacity (1985 r A/ty	1000 GAL 31 At 108						
Maximum Charge Voltage (VMs.	41						
Contract diverge section (4)	44						
Makrase distrage constraint							
Det witige (We)	2.5						
White tot	Appen 8,000 (max)						

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6.Certificate-RoHS

Action Group





測試報告

號鳴(No.): CE/2015/32528 日期(Date): 2015/03/13

夏數(Page) : 2 of 10

Test Report

南亞豐厚工業股份有限公司 NAN YA PLASTICS CORPORATION 新北市樹林區味王樹55號 產錦二雜技術處

55, WEI WANG ST. SHU LIN DISTRICT, NEW TAIPEI CITY, TAIWAN, R. O. C.

測試結果(Test Results)

剛就都位(PART NAME)No.1 : 綠色油墨 (GREEN [NK)

测试项目 (Test Items)	単位 (Unit)	测或方法 (Method)	方法債測 極限値	越果 (Result)
(lest liess)	fourth	(Method)	(MDL)	No.1
鍋 / Cadmium (Cd)	mg/kg	参考[BC 6232]-5: 2013方法,以應應耦合電景原子發射光譜儀檢測。/ With	2	n.d.
极 / Lead (Ph)	mg/kg	reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
表 / Marcury (lig)	mg/kg	李吉IRC 62321-4: 2013方法,以高應機 合電景原子發射先續儀檢測。/ With reference to IRC 62321-4: 2013 and performed by ICP-AES.	2	n.d.
元債格 / Hexavalent Chromium Cr(VI)	ng/kg	多考IBC 62321: 2008方法,从UV-VIS檢 網- / With reference to IBC 62321: 2008 and performed by UV-VIS.	2	n.d.
春菜二甲載丁苯甲酚 / HBP (Butyl Benryl phthalate) (CAS No.: #5-68-7)	ng/kg		50	n.d.
專某二甲載二丁酯 / DBP (Dibutyl phthalata) (CAS No.: 84-74-2)	ng/kg	李考(BC 62321-8 (111/321/CD)),以東 相層析儀/質譜儀檢測之. / Fith	50	n.d.
鄭篆二甲載二異丁翰 / DISP (Di-isobuty) phthwlmin) (CAS No.: 84-69-5)	ng/kg	reference to IRC 62321-8 (111/321/CD). Applysis was	50	n.d.
事某二甲酸二 (2-乙基芑基)酶 / DEHP (Di- (2-athylhanyl) phthalate) (CAS No.: 117-81-7)	ng/kg	performed by GC/MS.	50	n.d.

Full lead free/RoHS process

Chemical Laboratory - Taipei



7. Manufacturer-EMS Capability

- Capacity: 1KK units of PCB/month
- Full lead free/RoHS process









Action Group

7. Manufacturer-EMS Capability

- Capacity: 1KK units of PCB/month
- Full lead free/RoHS process









7. Manufacturer-EMS Capability

Capacity: 1KK units of PCB/month

Full lead free/RoHS process







7. Manufacturer-SMT Flow

Action Group

SMT stock preparation



Bare board loading



Solder paste printing



OK

Solder paste store in a cool dry cabinet

Pick & place speed machine

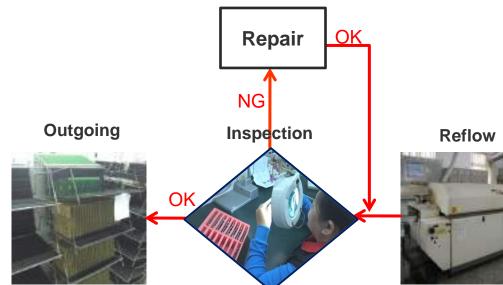


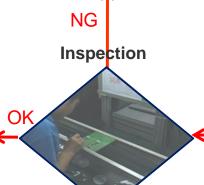
Pick & place general machine



Pick & place general machine





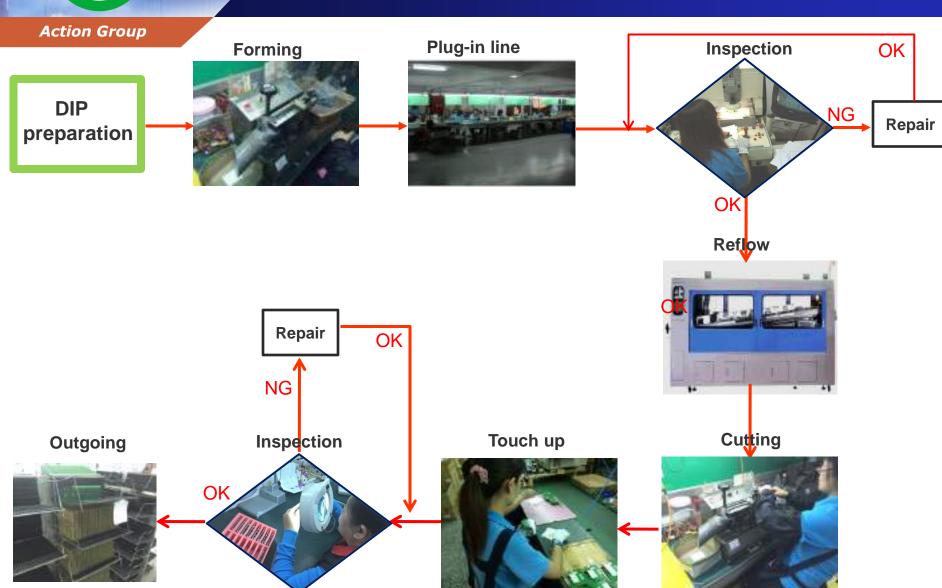


Repair

13



7. Manufacturer-DIP Flow





7. Manufacturer-Test Equipments

- CVE 64CH:
 Learning Equipment
- BAT-730
 Learning Equipment
- BAT-620/640:Battery Testing









Action Group

7. Manufacturer-Production Equipments

SC-TZ02:
 Automatic Equipment
 18650 Cell Insulator Ring

SC-TQKZ10:
 Automatic Equipment
 Cell Matching





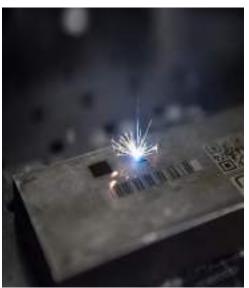


7. Manufacturer-Production Equipments

ST-SWD-260220:
 Automatic Equipment
 Spot Welding

XRW-M20:
 Automatic Equipment
 Laser Engraving







8. Products - Customization

• 1S1P Li-ion Battery Pack



2S1P Li-ion Battery Pack





• 3S2P Li-ion Battery Pack



• 3S3P Li-ion Battery Pack





4S2P Li-ion Battery Pack



13S3P Li-ion Battery Pack





Action Group

Year	2024					20)25			20	26		Remark
Product	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	
DR-202-V2 10.8V 7800mAh							•				•		Available
DR-202-35E 10.8V 10350mAh													Available
DR-202-GA 10.8V 10050mAh													Available
DR-10-GA32 10.8V 6900mAh	C	ertific Sam		_		1	MP						
DR-10-GA23 7.2V 10350mAh	C	ertific Sam				1	MP						
DR-2024-GA 14.1V 10350mAh	C	ertific Sam				1	MP						
DR-202W2 3 slot charging dock						71							Available DR202 \RRC202

ZI



Action Group

Year	2024					20)25			20	26		Remark
Product	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	
DR2037 1 slot charging dock	_	ertific Sam				N	1P						NB2037 \ RRC2037
DR2057 1 slot charging dock		ertific Sam				N	1P						NB2057 \ RRC2057
DR10 1 slot charging dock	_	ertific Sam				ľ	ИP						NF2040
DR202W1 1 slot charging dock	_	ertific Sam				ľ	ИP						DR202 \ RRC202
DR2024 1 slot charging dock		ertific Sam				ľ	ИP						



3S2P Li-ion Battery Pack

Model: DR-10-GA32
Sample phase(10.8V 6900mAh)
(Product will take CB \ UL \ PSE \
UN38.3 \ CE \
201356EU certification)

2S3P Li-ion Battery Pack

Model: DR-10-GA23
Sample phase (7.2V 10350mAh)
(Product will take CB \ UL \ PSE \
UN38.3 \ CE \ 201356EU certification)







3S3P Li-ion Battery Pack

Model: DR-202W2

Typical voltage: 10.8V

Typical capacity:7500mAh

(CB \ UL \ PSE \ UN38.3

、CE、201356EU)

3S3P Li-ion Battery Pack

Model: DR-202V2

Typical voltage: 10.8V

Typical capacity:7500mAh

(CB · CE · PSE · UL · UN38.3)







3S3P Li-ion Battery Pack

Model: DR-202-35E

Typical voltage: 10.8V

Typical capacity: 10050mAh

(201356EU \ CB \ CE \ UN38.3)

3S3P Li-ion Battery Pack

Model: DR-202-GA

Typical voltage: 10.8V

Typical capacity: 10350mAh

(UL \ 201356EU \ CB \ CE \ UN38...,







4S3P Li-ion Battery Pack

Model: DR-2024-GA

Typical voltage: 14.4V

Typical capacity: 10050mAh

(Product will take CB \ UL \ PSE \

UN38.3 . CE .

201356EU certification)





Action Group

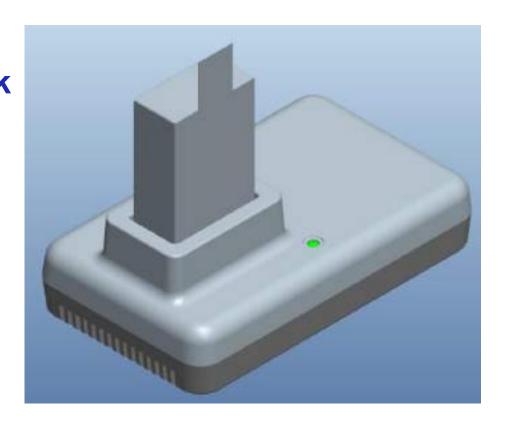
Battery Charger Dock
 (DR-202 Series,
 4.5A Fast Charging)
 (FCC \ CE)





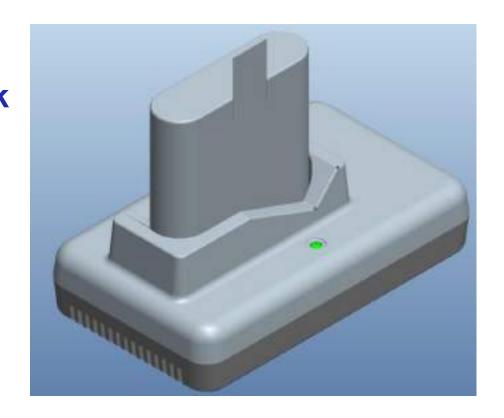


Battery Charger Dock
 (DR 2037 \ NB2037 \ RRC2037
 2S1P Series,)





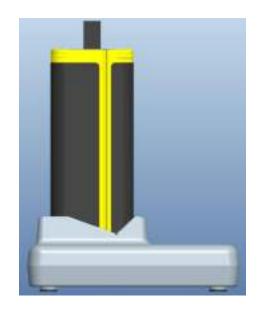
Battery Charger Dock
 (DR2057 \
 NB2057 \ RRC2057
 2S2P Series,)

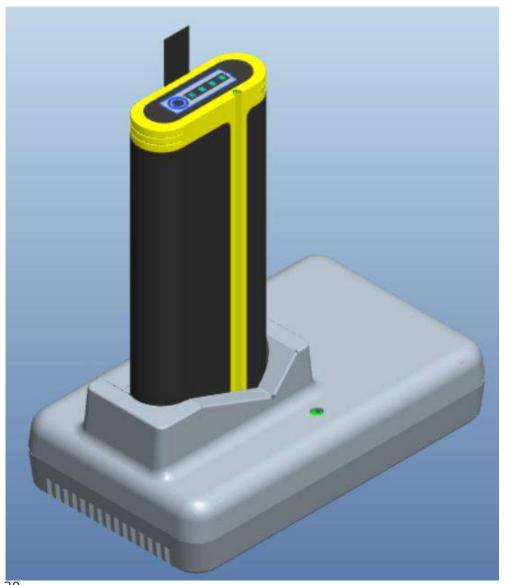




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Battery Charger Dock
 (DR-10 NF2040
 2S3P/3S2P Series,)



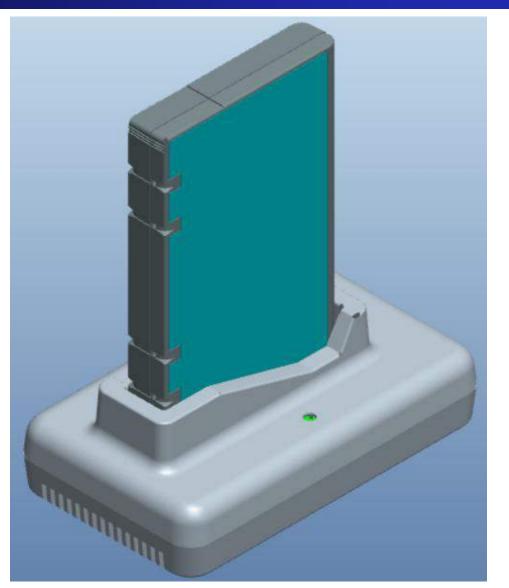




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 Battery Charger Dock (DR-202 3S3P Series,)

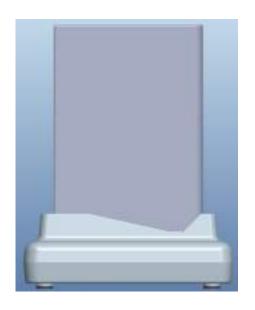


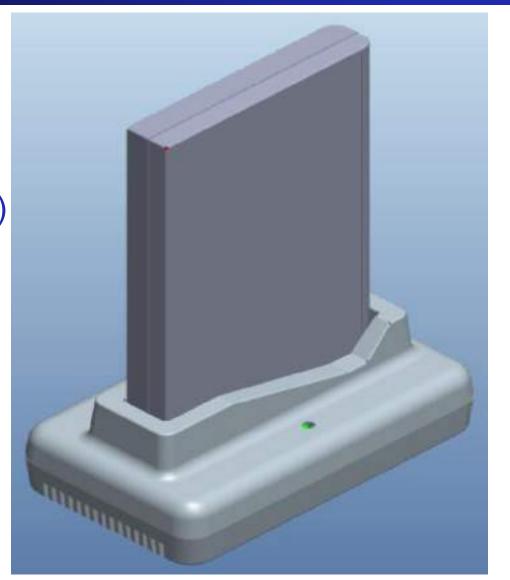




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Battery Charger Dock
 (DR-2024 4S3P Series,)



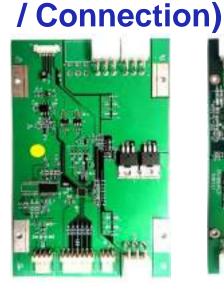




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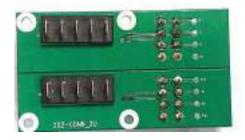
8. Products - Military / Medical / Industrial

 Integrated Solution for Multiple Batteries (Control/ Charge











4S2P Li-iron Battery Pack

Typical voltage: 12.8V

Typical capacity:10000mAh

(Cell: BSMI VN38.3)

4S4P Li-iron Battery Pack

Typical voltage: 12.8V

Typical capacity:20000mAh

(Cell: BSMI VN38.3)







4S1P Li-iron Battery Pack

Typical voltage: 12.8V

Typical capacity:5000mAh

(RS485)

(Cell: BSMI VN38.3)

4S1P Li-iron Battery Pack

Typical voltage: 12.8V

Typical capacity:20000mAh

(RS485)

(Cell: BSMI \ UN38.3)







8S1P Li-iron Battery Pack

Typical voltage: 24V

Typical capacity:20000mAh



1U Battery Pack

Typical voltage: 24V

Typical capacity:20000mAh





8. Products-Baby super car

Action Group

4S3P Li-ion Battery Pack

Typical voltage: 14.4V

Typical capacity:15000mAh







8. Products –Baby super car

Action Group

4S6P Li-ion Battery Pack

Typical voltage: 14.4V

Typical capacity:30000mAh







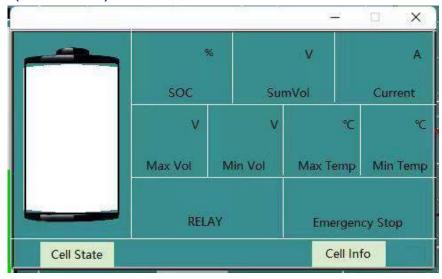
8. Products -Go-Kart

14S10P Li-ion Battery Pack

Typical voltage: 48V

Typical capacity:25000mAh

(Go-Kart)







8. Products - Go-Kart

• 14S10P Li-ion Battery Pack

Typical voltage: 48V

Typical capacity:25000mAh

(Go-Kart)





8. Products - ESS

14S42P Li-ion Battery Pack

Typical voltage: 48V

Typical capacity:140.7Ah



• 14S42P Li-ion Battery Pack

Typical voltage: 48V

Typical capacity:140.7Ah





8. Products - ESS

• 14S42P Li-ion Battery Pack

600KWh ESS







Dr. Power Corporation

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DPC: http://battery9999.com/

LJD: http://ljdevice.com.tw/