

Dr. Power Corporation

Comprehensive Solutions Your Faithfully Partner



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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









ASE

- 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



CAD ENERGY

National Chung Shan Institute of Science and Technology. Renewable Energy Products -Military Battery Pack TOCAD Energy Co., Ltd. Battery Cell supplier -Panasonic/SANYO







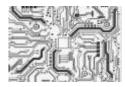


4. R&D research and development

Action Group

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



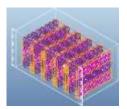




Communication Engineering

- 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 :
 - Oustomer satisfaction
 - \odot TQM
- Certificate:

 - **OUL certified quality assure**
 - **© TUV certified quality assurer**
 - ◎ EHS



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

Action Group



Gentlevite Norther Report Reference Record Date	2014-0007 48145302 88443003-20140604 2014-AUGU/57-07
)DOB R)DOBC	JAPONE TECHNOLOGY CO LTD SND RL ST-16 PETAO LI TANKU NEW TAPE 2011 TANKIN
This is to spiritly that representative samples of	COMPONENT - SATTERING, HOUSEHOLD AND COMMERCIPE Companies - Directoreponent listing from Matter DR 20
	Have been investigated by CL in accordance with the disarder (tv) indicated on this Gertificate.
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Manufacturer's Declaration per sub-clause 4.3.5 of IECEE 02: The application for obtaining a CB field Conflication TT Yes Relades more than one factory location and a metanation from the Vanalactory stating that the (C Not applicable sample(s) submitted for auduation is (and representative of the products from each factory feet been provided When differences exist: they shall be identified in the General product information section. Name and address of factory (les) ... Japone Technology Inc. (ID Na.: 67532) 2F, Nu256, Xingstong Rd., Tamsai Dist., 25169 New Tapel City, TAWAN Report No. < 385-170209-100> This modification report is as below to: . Revised Label draving for client requirements, see page 4 and attachment photo for details. Revised maximum ambient temperature of dautharge condition from 68 °C to 59 °C, see below for Details. No tests were deered recoursely for the modification Soneral product information: This equipment is a Rechargeable Li ion Sattery for use is the portable applications. The maximum ambient temperature specified as 45 °C for charging and 53 °C for discharging conditions. Details information of the Rischurgeoble Lince Battery are as follows: Product intent Rectorgradity Liver Dattory Typemodel WOID-808-317E (1)(CP11/34/50-4) Bathery Cell Configuration +CaD Nominal voltage (Vdc) 3.6 8800 mAh, 31.68 Whi Naminal supecity (nAh / Will Maximum Charge Voltage (Vib) 42 Optimum charge current (A) 2.8 Maximum discharge camert (A) 4 End woltage (Vdc) 2.8 Weight ingi Approx. B 200 on as)

The final availation of the liaithery must be conducted in the end product for which the battery will be used.

Toly 802 Ann List Tyrone Risech 19, No. 17, Box J. Zhengang B. Ro. Return Dentit, Tagai Dia, 11270, Tanan Tada Nasari Uticit.110 Nape 1 online tax No. (811 17229-193 ACC 306 3115 M1 DOC Page 9 419



6.Certificate-RoHS

Action Group

SGS	SGS				
則試報告 載冊(No.): CE/2015/22528 日期(Date): 2015/03/13 東東(Fages): 1 of 10	测试報告 194(16):(¥/9615/	32528 日朝(Date): 2015/03/13	東載(Page)	: 2 of 10
Test Report	Test Report		and a second of second and		
haz 変厚工業股份支持公司 AN YA FULASTICS CORPORATION 合地市製林送水王術55號 遺純二体状術處 5、WEI WANG ST. SHU LIN DISTRICT, NEW TAIPEI CITY, TAIWAN, R. O. C.	▲亞奎娜二書股份有限公司 NAN YA PLASTICS CORPORATION 新北市樹林區味正術55號 連結二級技術處 55, WEI WAWL ST. SHU LIN DISTRICT, NEW	TAIPEI	CITY, TAIMAN, R. O. C.		
K下剤就標品係由申積最高所提供及確認 (The following sample(s) was/ware submitted and identified by/on ehalf of the applicant as): は基度(Sample Solmitted By) : 由豆塑醇工業設份有限公司 (NAN VA PLASTICS COMPORATION) 品之書稿(Sample Description) : LIQUID PHOTOINAGEARCE SOLDER NASK (法思惑光効学論系) 品型数(Style/Item Na.) : LIP-4G G-33AD/HP-25D	周試結果(Teat Results) 周試部位(PART NAME)No.1 : 株克法	rÆ {GRE	EN 116.)		
(仲日朝(Sample Heceiving Ente) : 2015/03/09 (武勇問(Senting Period) : 2015/03/09 20.2015/03/13	测试项目	單位	测成方法	方法值测 杨厚值	越来 (Result)
(試需來(Test Requested) :	(Test linux)	(Unit)	117-200-2012-2012	(MDL)	No.1
(1)依據客戶要求,季考RoHS 2011/65/ED Annex II 指令進行編,弱,炎,六價器,多浅聯單,多 法聯苯醚測試, (As specified by client, with reference to RoBS Directive 2011/65/ED	🔩 / Cadnium (Cd)	ng/sg	李考THC 62321-5: 2013方法,以應應耦 合電葉原子發射光譜儀檢測,/With	2	8+ff+
Annex II to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs contents in the	46 / Land (Pb)	ng/kg	reference to IBC 62321-5: 2013 and performed by ICP-AES.	2	n.d.
submitted sample.)		ag/kg	孝考IBC 62321-4: 2013方法, 以為應編 合電葉原子發射光譜儀檢測, / With	2	n.d.
(2) 快援客户委長、多考 WTO/TEF 通程 G/TET/K/EU/255、近期 DEP, DEP, DEP, DIEP, (As specified by client, with reference to G/TET/N/EU/255 of WTO/TET to issl DEP, BEP, DEEP, DIEP.)	柔 / Marcory (Hg)		reference to IEC 62321-4: 2013 and performed by ICP-AES.		
 (2) 秋蓮客戶要求:參考 #DO/TBF 通程 G/TBT/N/EU/255、被測 DBP, BBP, DEBP, OAs apacified by client, with reference to G/TBT/N/EU/255 of WTO/TBT to isai DBP, BBP, DEBP, DEBP, DEBP, DEBP, DEBP, DEBP, DEBP, Zayara, and the substituted state PSOA, PPOS, Halogen-Fluerina, Chlorina, Browins, Iodina contasts in the substitut sample.) 	永 / Marcory (Ng) 介償為 / Eaxavalant Chronium Cr(VI)	ng/kg		2	n.d.
 (2) 秋蓮客戶要求: 參考 #DO/TEF 通程 G/TET/N/EU/256: 油湖 DBP, BBP, DEEP, DIEP. (As specified by client, with reference to G/TET/N/EU/256 of WTO/TET to test DBP, BBP, DEEP, DIEP., DIEP., (As specified by client, to test PEOA, PEOS, Halogen-Fluorine, Chlorine, Broeine, Ludise contents in 			performed by ICP-AES. 事者IBC 62321: 2006方法, KUV-VIS権 時、/ With reference to IBC 62321:	2	n.d. n.d.
 (2) 秋葉客戶要求:參考 WDO/TBT 通程 G/TBT/K/EU/255、逾減 DBP, BBP, DEBP, DIBP. (As specified by client, with reference to G/TBT/N/EU/255 of WTO/TBT to tast DBP, BBP, DEEP, DIBP.) (3) 秋葉客戶指定:進行全氣手號:全氣手烷環酸:產者-氯、氯、溴、陳測試. (As specified by client, to tast PSOA, PPOS, Halogen-Flueries, Chlorise, Broeine, Indias contacts in the submitted sample.) (試方法(Test Method) : 捕見下一貫 (Please refer to meet pages). 	介護等 / Eaxavalant Chromium Cr(VI) 奉某二甲載丁苯甲酯 / HSP (Hutyl Hensyl phthalais) (CAS No.: 85-68-7) 奉某二甲載二丁酸 / DEP (Dihutyl	ng/kg	performed by ICP-AES. 李孝TRC 62321: 2005方法, KUU-VIS編 周, / With reference to IRC 62321: 2008 and performed by UV-VIS. 李書TRC 62321-5 (111/321/CD), 42.集		1000000
 (2) 秋葉客戶要求:參考 WDO/TBT 通程 G/TBT/K/EU/255、逾減 DBP, BBP, DEBP, DIBP. (As specified by client, with reference to G/TBT/N/EU/255 of WTO/TBT to tast DBP, BBP, DEEP, DIBP.) (3) 秋葉客戶指定:進行全氣手號:全氣手烷環酸:產者-氯、氯、溴、陳測試. (As specified by client, to tast PSOA, PPOS, Halogen-Flueries, Chlorise, Broeine, Indias contacts in the submitted sample.) (試方法(Test Method) : 捕見下一貫 (Please refer to meet pages). 	六債募 / Escavalant Chromium Cr(VI) 尊革二甲載丁革甲類 / BBP (Buryi Benzyi phthalata) (CAS No.: 85-68-7)	ng/kg ng/kg	performed by ICP-AES. 李孝 RE 63321: 2006方法, AUV-VIS編 時, / With reference to IBC 62821: 2008 and performed by UV-VIS.	50	n.d.

Full lead free/RoHS process



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-EMS Capability

Action Group

• Capacity: 1KK units of PCB/month

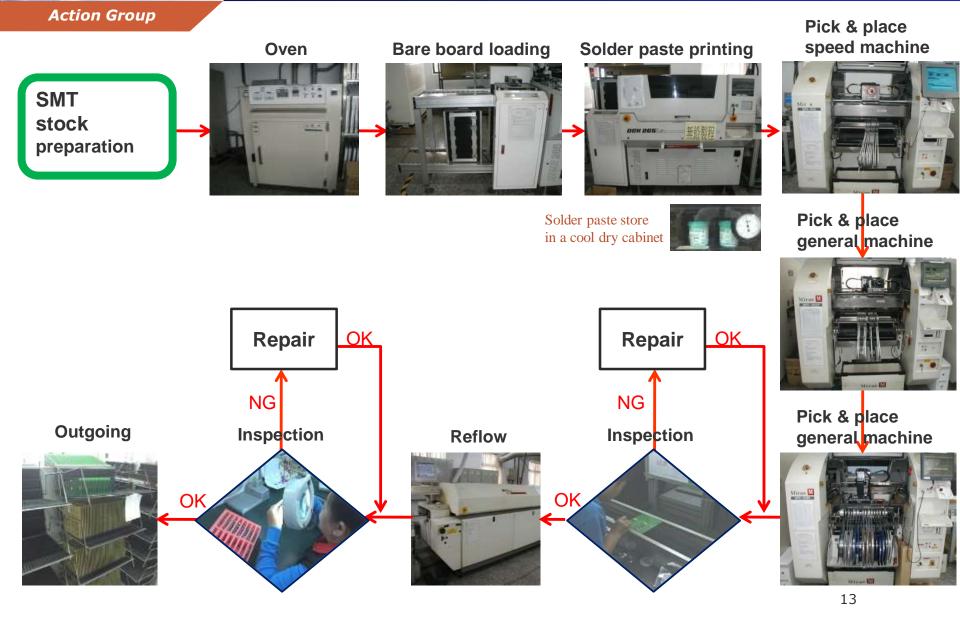
• Full lead free/RoHS process

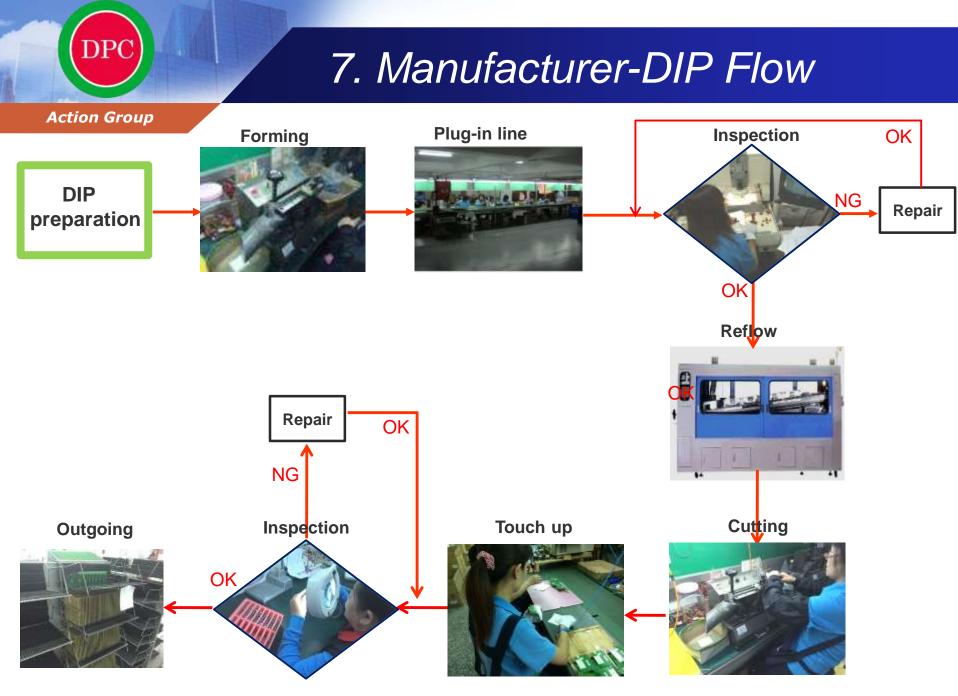






DPC







DPC

7. Manufacturer-Test Equipments

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







Action Group

DPC

7. Manufacturer-Production Equipments

SC-TZ02: Automatic Equipment 18650 Cell Insulator Ring

• SC-TQKZ10: Automatic Equipment Cell Matching



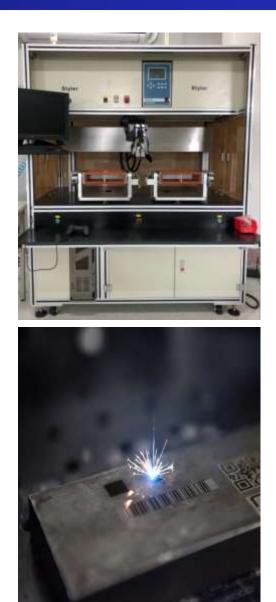
Action Group

DPC

7. Manufacturer-Production Equipments

ST-SWD-260220: Automatic Equipment Spot Welding

• XRW-M20: Automatic Equipment Laser Engraving





8. Products - Customization

Action Group

• 1S1P Li-ion Battery Pack









Action Group

• 3S2P Li-ion Battery Pack



• 3S3P Li-ion Battery Pack





Action Group

• 4S2P Li-ion Battery Pack

• 13S3P Li-ion Battery Pack







Action Group

Year		20	24	•		20)25		2026				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		•					<u>.</u>	0		•	•	•	Available
DR-202-35E 10.8V 10350mAh													Available
DR-202-GA 10.8V 10050mAh												Available	
DR-10-GA32 10.8V 6900mAh	Certification& Sampling			1 11									
DR-10-GA23 7.2V 10350mAh	Certification& Sampling			1 11									
DR-2024-GA 14.1V 10350mAh	C	ertifio Sam				Ν	٩P						
DR-202W2 3 slot charging dock													Available DR202、 RRC202



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			cation& pling			Ν	1P						NB2037、 RRC2037		
DR2057 1 slot charging dock		ertifio Sam			MP							NB2057、 RRC2057			
DR10 1 slot charging dock		ertifio Sam			MP							NF2040			
DR202W1 1 slot charging dock		ertifio Sam			MP							DR202、 RRC202			
DR2024 1 slot charging dock		ertifio Sam			MP										

Action Group

DPC

• 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)



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





Action Group

 DPC

• 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)



Action Group

 DPC

• 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...,



Action Group

 DPC

8. Products - Military / Medical / Industrial

• 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

DPC

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

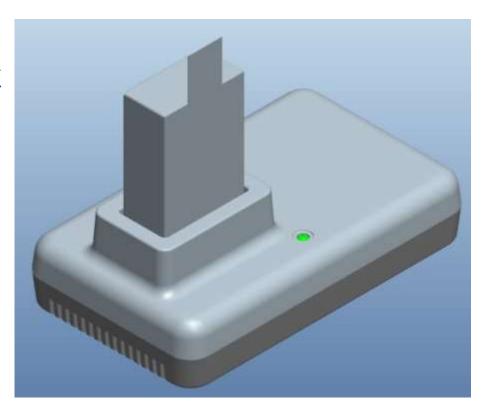




Action Group

DPC

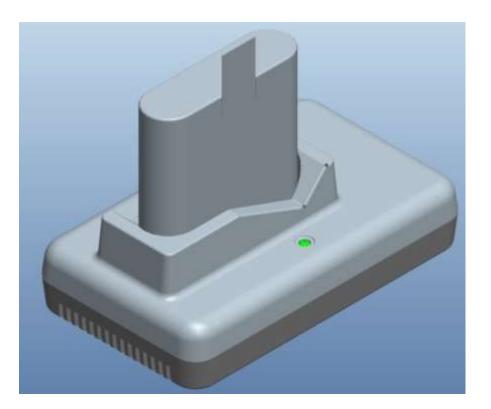
 Battery Charger Dock
 (DR 2037 \ NB2037 \ RRC2037
 2S1P Series,)



Action Group

DPC

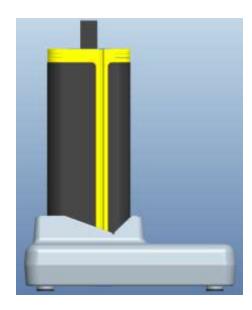
Battery Charger Dock (DR2057 \ NB2057 \ RRC2057 2S2P Series,)



Action Group

DPC

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



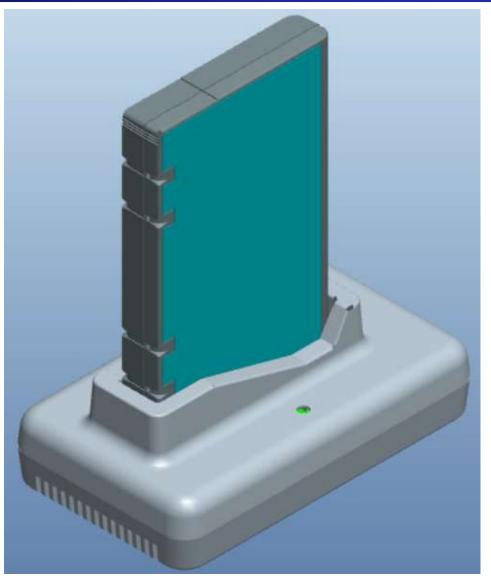


Action Group

DPC

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





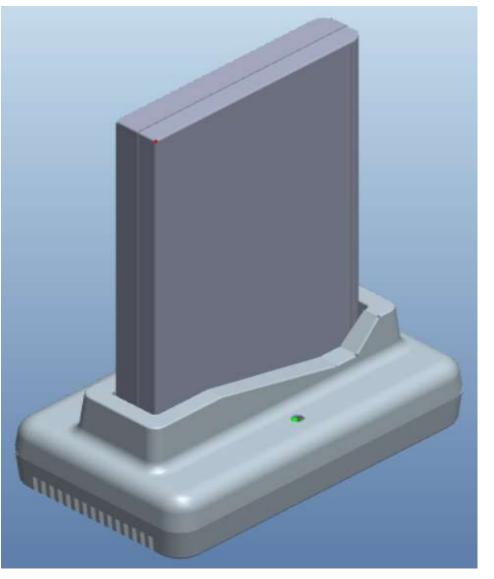
Action Group

DPC

8. Products - Military / Medical / Industrial

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





Action Group

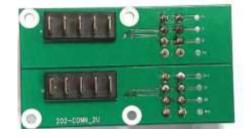
DPC

Integrated Solution for Multiple Batteries (Control/ Charge / Connection)









Action Group

DPC

• 4S2P Li-iron Battery Pack

Typical voltage: 12.8V Typical capacity:10000mAh (Cell: BSMI \ UN38.3)

• 4S4P Li-iron Battery Pack

Typical voltage: 12.8V Typical capacity:20000mAh (Cell: BSMI VN38.3)





Action Group

DPC

• 4S1P Li-iron Battery Pack

Typical voltage: 12.8V Typical capacity:5000mAh (RS485) (Cell: BSMI UN38.3)

• 4S1P Li-iron Battery Pack

Typical voltage: 12.8V Typical capacity:20000mAh (RS485) (Cell: BSMI \ UN38.3)





Action Group

DPC

• 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

DPC

• 4S3P Li-ion Battery Pack

Typical voltage: 14.4V Typical capacity:15000mAh





8. Products – Baby super car

Action Group

DPC

• 4S6P Li-ion Battery Pack

Typical voltage: 14.4V Typical capacity:30000mAh





8. Products – Go-Kart

Action Group

DPC

• 14S10P Li-ion Battery Pack

Typical voltage: 48V Typical capacity:25000mAh (Go-Kart)

				· □ ×
	*	6	V	A
	SOC	Su	nVol	Current
	۷	V		°C °C
	Max Vol	Min Vol	Max Te	mp Min Temp
	RELAY Emergency Sto			
Cell State			Ce	Il Info



8. Products – Go-Kart

• 14S10P Li-ion Battery Pack

Typical voltage: 48V Typical capacity:25000mAh (Go-Kart)

DPC

Action Group



8. Products - ESS

Action Group

DPC

• 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





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