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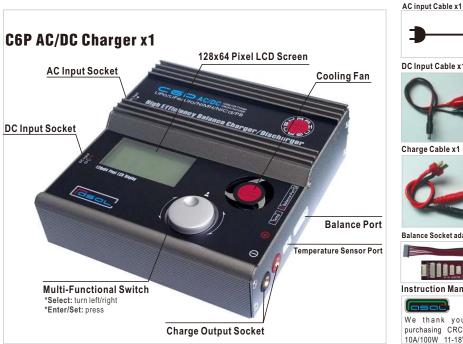
# **FOREWORD**

We thank you for purchasing CRC C6P 10A/100W 110-230V/50Hz AC 11-18V DC balance charger/discharger. For your convenience and safety, please read this manual carefully before using this product.

CRC C6P AC/DC is a professional and high efficiency balance charger/discharger which is especially designed for charging/discharging LiPo, LiFe, Lilo, NiMH,NiCd and PB batteries.

# **PRODUCT CONTAINS**

Below items are included in the package, contact your supplier if any item is miss.













# **OPTIONAL ACCESSORIES**

**Temperature Sensor(magnet)** 

2x2S in series Adapter

2x3S in series 2A & Taip tenies Adapter







# **SPECIFICATION**

AC Input voltage range: 110-230V/50Hz DC Input voltage range: 11.0-18.0V Charge current range: 0.5-10.0A Discharge current range: 0.5-5.0A

Maximum charge power: 100W @ 12V DC

Maximum discharge power: 10W Current drain for balancing: 400mA

Balance accuracy: <10mV

LiPo/Lilo/LiFe battery cell count: 1-6 series NiCd/NiMH battery cell count: 1-15 series Pb battery cell count: 1-10 series (2-20V)

Battery setup memories: 10 Temperature sensor: Yes

Weight: 685g

**Dimension(LxWxD):** 135x145x42mm

## **FEATURES**

- High efficiency power conversion circuit. Special advanced charging technology ensure a fast and precision charging performance.
- The CRC balance charger series has a integrated cell balancer which can be expecially used for charging the LiPo, Lilo, LiFe batteries.
- 10 battery profile memories, 1 default memory of latest profile, 9 custom memories can be set and load by the user.
- 128x64 pixel LCD screen shows rich information: total current, total voltage, charge capacity (mAh), charge time, temperature, cell voltage, cell voltage difference etc.
- Various functional settings can meet a wide range of use. Balance chargingauto, balance charging-manual, normal charging, storage and discharging for Lithium batteries. charging-auto, charging-manual, discharging for NiCd/NiMH batteries. Charging and discharging for Pb batteries.
- Various system settings: backlight, contrast, key sound, safty time, cut off temperature, cut off capacity.
- Full protection system: protection of reversed polarity (input and output), higher/lower input voltage, battery temperature, over charge/discharge and time limited.







# **WARNING and NOTES**

- ▲ C6P is ONLY suitable for charge rechargeable LiPo, LiFe, Lilo,NiMH and PB batteries. Do not attempt to charge dry cells. Charge other types of batteries may cause fire or explosion.
- Never leave the charger unattended when it is working. If you leave, disconnect the battery to prevent any unexpected dangerous or damage.
- ▲ The prescript DC input voltage range from 11-18V. Never connect it to any other power supply which is unsuitable.
- ▲ Ensure program and settings match the battery pack, incorrect setting to charge/discharge a battery may damage the battery, even would cause a fire.
- ▲ Protect charger from dust, dirt and damp. Do not attempt to disassemble the charger, contact the after sales center for maintenance if needed.
- ▲ Never place the charger and batteries connected to it on any form of flammable surface. Never operate the charger in the vicinity of inflammable material or gas.
- ▲ Ensure that there is an unrestricted airflow to and from the charger's cooling slots.
- ▲ Never charge or discharge any battery having evidence of leaking, expansion/swelling, damaged outer cover or case, color-change or distortion.
- ▲ Take great care to maintain correct battery polarity, and avoid shot-circuit. Read the battery manufacturer's instructions and adhere to them strictly.

# **BATTERIES and MAX CHARGE CURRENT**

Battery Type	No. of Cells	Rated Voltage(V)	Max Charge Current(A)
	1	3.7	10.0
	2	7.4	10.0
LiPo	3	11.1	9.0
LIFO	4	14.8	6.8
[	5	18.5	5.4
	6	22.2	4.5
	1	3.3	10.0
	2	6.6	10.0
LiFe	3	9.9	10.0
Lire	4	13.2	7.6
	5	16.5	6.1
	6	19.8	5.1
	1	3.6	10.0
	2	7.2	10.0
	3	10.8	9.3
Lilo	4	14.4	6.9
	5	18	5.6
	6	21.6	4.6
	1	1.2	10.0
	2	2.4	10.0
	3	3.6	10.0
	4	4.8	10.0
	5	6	10.0
Ī	6	7.2	10.0
Ī	7	8.4	10.0
NiMH	8	9.6	10.0
	9	10.8	9.3
İ	10	12	8.3
	11	13.2	7.6
	12	14.4	6.9
İ	13	15.6	6.4
İ	14	16.8	6.0
İ	15	18	5.6
NiCd		Same as NiMH	<u> </u>



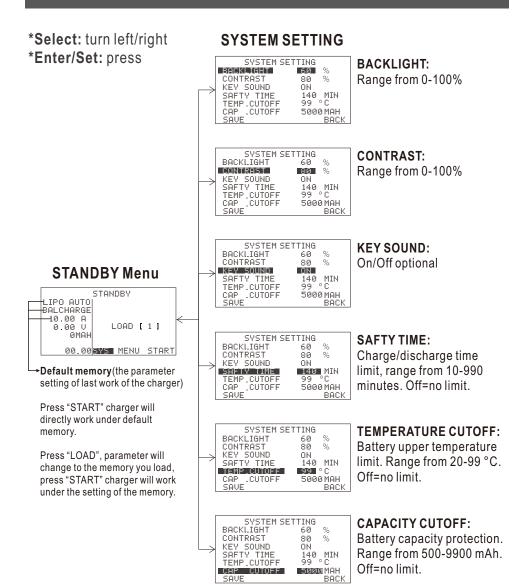






#### 2 10.0 2 10.0 4 3 6 10.0 4 8 10.0 5 10 10.0 PB 6 12 8.3 7 14 7.1 8 16 6.3 9 18 5.6 10 20 5.0 Voltage Level: 3.7V/cell Max Charge Voltage: 4.2V/Cell Lipo Discharge Voltage Cut off Level: 3.0V/cell or Higher Voltage Level: 3.3V/cell Max Charge Voltage: 3.8V/Cell LiFe Discharge Voltage Cut off Level: 2.0V/cell or Higher Voltage Level: 3.6V/cell Max Charge Voltage: 4.1V/Cell Lilo Discharge Voltage Cut off Level: 3.0V/cell or Higher Voltage Level: 1.2V/cell NiM H Max Charge Voltage: 1.6V/Cell Discharge Voltage Cut off Level: 0.85V/cell or Higher Voltage Level: 1.2V/cell NiCd Max Charge Voltage: 1.6V/Cell Discharge Voltage Cut off Level: 1.0V/cell or Higher Voltage Level: 2.0V/cell PB Max Charge Voltage: 2.45V/Cell Discharge Voltage Cut off Level: 1.75V/cell or Higher

# **SYSTEM SETTING**









# **CHARGE/DISCHARGE LIPO BATTERY**

\*Select: turn left/right \*Enter/Set: press Parameter setting Working stutus PARAMETER SETTING CURRENT STATUS BATT.TYPE LIPO 6SJBAT UCELL UDIFF BALCHARGE C6 4138 1.69 A C5 4135 24.70 V C4 4130 MODE BALCHARGE 20 MV CELL(S) AUTO 17 MV 10.00 CURRENT (A) 12 MV TUC (MU. 1958MAH C3 4125 7 MV 4120 2 MU SAVE [ 1 ] START BACK 4118 PARAMETER SETTING CURRENT STATUS BRIT TYPE LIPO 6S|BAT VCELL VDIFF MODE STORAGE 3238 3235 STORAGE C6 20 MV 2.69 A C5 17 MV AUTO 19.38 U C4 1958MAHC3 28°C C2 3230 3225 3220 3218 12 MV 7 MV 2 MV 10.00 STANDBY 28°C LIPO AUTO SAVE [ 1 ] START BALCHARGE 10.00 A 0.00 Ü LOAD [ 1 ] MAH PARAMETER SETTING CURRENT STATUS BATT.TYPE .IPO 00.00 SYS MINUM START LIPO MODE CHARGE CHARGE CELL(S AUTO 2.69 A CURRENT (A) 10.00 19.38 V CHARGE >>> TUC(MU 1958MAH 28°C 9.38 SAVE [ 1 ] START PARAMETER SETTING CURRENT STATUS BATT.TYPE MODE DISCHARGE DISCHARGE AUTO -- 0.49 A 19.38 V CURRENT (A) 10.00 DISCHARGE <<< TUC(MU - 1958MAH SAVE [ 1 ] START BACK

### **BATT.TYPE**

### LIPO

### MODE

**BALCHARGE**: Balance charge(balance connector required) **STORAGE**: Storage charge/discharge(balance connector optional)

**CHARGE:** Normal charge (balance connector not required) **DISCHARGE:** Discharge (balance connector optional)

## CELL(S)

**AUTO:** Can be select in balance charge and storage mode, charger can automatically detect the cell count of the battery.

- 1: Charge/Discharge 1 cell battery(N/A in balance charge mode)
- 2: Charge/Discharge 2 cells battery
- 3: Charge/Discharge 2 cells battery
- 4: Charge/Discharge 4 cells battery
- 5: Charge/Discharge 5 cells battery
- 6: Charge/Discharge 6 cells battery

**Important note:** In non balance mode, charger can not detect the correct cell count of the battery which has voltage intersection with the other one. So the cell count you set must be exact the same as your battery, otherwise may cause dangerous situation.

## CURRENT(A)

Setting the max charge/discharge current. Range from 0.5-10, change unit: 0.5

## TVC(MV)

Terminal Voltage Control. Range from 4150-4250, change unit: 10, default: 4200 (Storage mode range from 3800-3900, default: 3850)

## SAVE[1]

Save the current setting to 1st-9th memory.

## **START**

Connect the battery, press start, charger will work under current setting.

## **BACK**

Back to "STANDBY" menu.

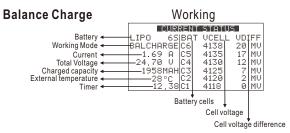








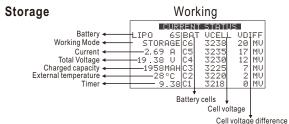
# Working status specify



### Finished

	CURI	RENT	STATUS	5
LIPO			VCELL	VDIFF
BALCH	IARGE	C6	4200	4 MV
0.6	9 A	C5	4197	1 MV
		C4	4199	3 MV
225	18 MAH		4198	2 MV
		C2	4196	0 MV
	l8.38	C1	4198	2 MV

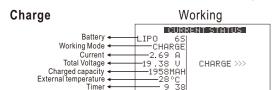
\*Display stop along with "Bi...Bi..." sound



### Finished

CURRENT STATUS					
			VDIFF		
STORAGE	C6	3848	3 MU		
0.45 A	C5	3846	1 MU		
		3845	0 MV		
2058MAH		3849	4 MU		
		3850	5 MV		
16.38	C1	3848	3 MU		

\*Display stop along with "Bi...Bi..." sound



### Finished

	CURRENT STATUS
	LIPO 6S
	CHARGE
	0.69 A
	19.38 V FINISHED
	1958MAH
	28°C
L	15 38

\*Display stop along with "Bi...Bi..." sound

Discharge	Working		
	CURRENT STATUS		
Battery	LIPO 6S DISCHARGE 0.49 A 19.38 V DISCHARGE <<< 1958MAH		
Timer ◆	9 38		

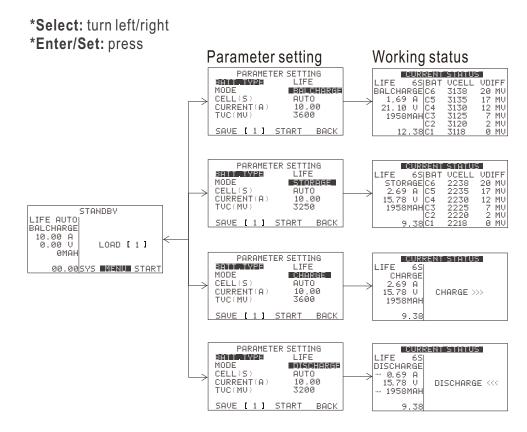
### Finished

CURF	RENT STATUS
LIPO 6S DISCHARGE 0 39 A 19 38 V 2058MAH	FINISHED

\*Display stop along with "Bi...Bi..." sound

**Note:** When working finished, disconnect the charge cable, along with "Bi...Bi..." sound, screen return to "STANDBY" menu.

# **CHARGE/DISCHARGE LIFE BATTERY**



## **BATT.TYPE**

LIFE

## MODE

**BALCHARGE:** Balance charge(balance connector required)

**STORAGE:** Storage charge/discharge(balance connector optional)

**CHARGE:** Normal charge (balance connector not required) **DISCHARGE:** Discharge (balance connector optional)









## CELL(S)

**AUTO:** Can be select in balance charge and storage mode, charger can automatically detect the cell count of the battery.

- 1: Charge/Discharge 1 cell battery(N/A in balance charge mode)
- 2: Charge/Discharge 2 cells battery
- 3: Charge/Discharge 2 cells battery
- 4: Charge/Discharge 4 cells battery
- 5: Charge/Discharge 5 cells battery
- 6: Charge/Discharge 6 cells battery

**Important note:** In non balance mode, charger can not detect the correct cell count of the battery which has voltage intersection with the other one. So the cell count you set must be exact the same as your battery, otherwise may cause dangerous situation.

## CURRENT(A)

Setting the max charge/discharge current. Range from 0.5-10, change unit: 0.5

## TVC(MV)

Terminal Voltage Control. Range from **3550-3650**, change unit: **10**, default: **4200** (**Storage mode** range from **3200-3300**, default: **3250**)

## SAVE[1]

Save the current setting to 1st-9th memory.

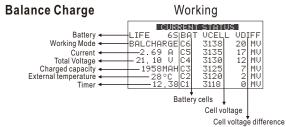
### **START**

Connect the battery, press start, charger will work under current setting.

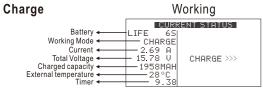
## **BACK**

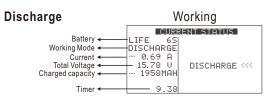
Back to "STANDBY" menu.

# Working status specify



#### Storage Working CURRENT STATUS Battery Working Mode STORAGEICE 2235 17 MV Current 4 2.69 A Total Voltage -15.78 U -1958MAH C3 Charged capacity + External temperature + -28°C Timer -Battery cells Cell voltage Cell voltage difference





### Finished

	CUR	RENT	STATUS	5	
LIFE	65	BAT	VCELL	VDI	FF
BALCH	ARGE	C6	3600	5	ΜV
1.6		C5	3598	3	
21.5		C4	3597	2	ΜV
	8MAH	С3	3596	1	ΜV
	8°C	C2	3599	4	ΜV
l 1	9 38	C1	3595	0	MU

<sup>\*</sup>Display stop along with "Bi...Bi..." sound

### Finished

	CUR	REN	T STATUS	5
LIFE			T VCELL	VDIFF
STOR	AGE	С6	3250	5 MV
0.69		C5	3249	4 MU
19.49		C4	3247	2 MV
2058		C3	3246	1 MV
28	3°C	C2	3248	3 MV
19	38.	C1	3245	0 MV

<sup>\*</sup>Display stop along with "Bi...Bi..." sound

### Finished

CURR	ENT STATUS
LIFE 6S	
CHARGE	
0.69 A	
19.49 U	FINISHED
2058MAH	
28°C	
19.38	

<sup>\*</sup>Display stop along with "Bi...Bi..." sound

### Finished

CURRENT STATUS				
LIFE 6S DISCHARGE 0.49 A 14.50 V 2058MAH	FINISHED			
19.38				

<sup>\*</sup>Display stop along with "Bi...Bi..." sound

**Note:** When working finished, disconnect the charge cable, along with "Bi...Bi..." sound, screen return to "STANDBY" menu.







# CHARGE/DISCHARGE LIIO BATTERY

\*Select: turn left/right \*Enter/Set: press Parameter setting Working status PARAMETER SETTING CURRENT STATUS BATT.TYPE LIIO 6SIBAT UCELL UDIFF BALCHARGE C6 4038 1.69 A C5 4035 24.10 V C4 4030 MODE BALCHARGE 20 MU CELL(S) AUTO 17 MU 10.00 CURRENT (A) 12 MU 4100 TUC (MU. 1958MAHC3 28°C C2 4025 7 MU 4020 2 MU SAVE [ 1 ] START BACK 4018 PARAMETER SETTING CURRENT STATUS BATT TYPE LIIO 6SIBAT VCELL VDIFF MODE STORAGE 3138 STORAGE C6 20 MV 2.69 A C5 3135 17 MV AUTO 10.00 18.78 V C4 1958MAHC3 28°C C2 3130 3125 3120 3118 12 MV 3750 STANDBY LIIO AUTO SAVE [ 1 ] START BALCHARGE 10.00 A 0.00 V LOAD [ 1 ] иман PARAMETER SETTING CURRENT STATUS BATT.TYPE LIIO LIIO 00.00 SYS MINUM START MODE CHARGE CHARGE CELL(S) AUTO 2.69 A CURRENT (A) 10.00 18.78 V CHARGE >>> TUC (MU) 4100 1958MAH 28°C SAVE [ 1 ] START PARAMETER SETTING CURRENT STATUS BATT.TYPE DISCHARGE DISCHARGE 0.59 A 18.78 V AUTO CURRENT (A) 10.00 DISCHARGE <<< 3500 TUC (MU. 1958MAH

**BATT.TYPE** 

SAVE [ 1 ] START BACK

### LIIO

### MODE

**BALCHARGE:** Balance charge(balance connector required) **STORAGE:** Storage charge/discharge(balance connector optional)

**CHARGE:** Normal charge (balance connector not required) **DISCHARGE:** Discharge (balance connector optional)

## CELL(S)

**AUTO:** Can be select in balance charge and storage mode, charger can automatically detect the cell count of the battery.

- 1: Charge/Discharge 1 cell battery(N/A in balance charge mode)
- 2: Charge/Discharge 2 cells battery
- 3: Charge/Discharge 2 cells battery
- 4: Charge/Discharge 4 cells battery
- 5: Charge/Discharge 5 cells battery
- 6: Charge/Discharge 6 cells battery

**Important note:** In non balance mode, charger can not detect the correct cell count of the battery which has voltage intersection with the other one. So the cell count you set must be exact the same as your battery, otherwise may cause dangerous situation.

## CURRENT(A)

Setting the max charge/discharge current. Range from 0.5-10, change unit: 0.5

# TVC(MV)

Terminal Voltage Control. Range from **4050-4150**, change unit: **10**, default: **4200** (**Storage mode** range from **3700-3800**, default: **3750**)

## SAVE[1]

Save the current setting to 1st-9th memory.

### **START**

Connect the battery, press start, charger will work under current setting.

## **BACK**

Back to "STANDBY" menu.









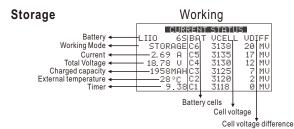
# Working status specify

#### **Balance Charge** Working CURRENT STATUS 6S|BAT VCELL Working Mode 20 MV BALCHARGE C6 4038 17 MV Current —2.69 A C5 4035 Total Voltage -24.10 U 4030 12 MU Charged capacity -—1958MAHC3 ——28°C C2 4025 4020 External temperature -4018 Battery cells Cell voltage Cell voltage difference

### Finished

	С	UR	RENT	STATU	5
LIIO		65	BAT	VCELL	VDIFF
BALC				4098	3 MV
0.6	59	А	C5	4099	4 MV
24.5	59	U	C4	4099	4 MU
205	58M	ΙΑН	С3	4096	1 MV
1 2	28°	С	C2	4095	0 MV
	12.	38	C1	4097	2 MV
	28 0	С	02	4095	0 MV

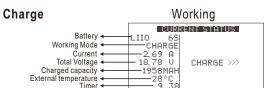
\*Display stop along with "Bi...Bi..." sound



### Finished

- Ct	JRR	RENT	STATUS	
			VCELL	VDIFF
STORA	GE			2 MV
0.69	A þ	05	3749	3 MV
18.78	U þ	C4	3748	2 MV
2058M			3747	4 MV
28°			3746	0 MV
19.	38	C1	3749	3 MV

\*Display stop along with "Bi...Bi..." sound



### Finished

CURRENT STATUS			
LIIO	65		
CHAR	RGE		
0.69	Α		
24,59	V	FINISHED	
20581	1AH		
19	.38		
	CHAF 0.69 24.59 20581 28		

\*Display stop along with "Bi...Bi..." sound

Discharge	Working		
	CURRENT STATUS		
Battery  Working Mode  Current  Total Voltage  Discharged capacity	LIIO 65 DISCHARGE 0.59 A 18.78 V DISCHARGE <<< 1958MAH		

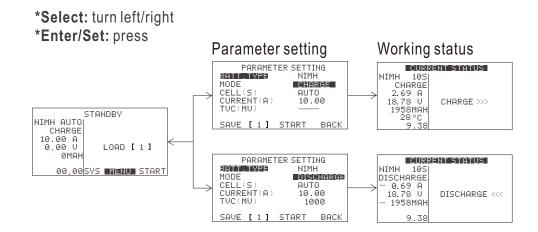
### Finished

CURF	RENT STATUS
LIIO 65	
DISCHARGE	
18.78 V	FINISHED
2058MAH	
19.38	

\*Display stop along with "Bi...Bi..." sound

Note: When working finished, disconnect the charge cable, along with "Bi...Bi..." sound, screen return to "STANDBY" menu.

# **CHARGE/DISCHARGE NIMH BATTERY**



### **BATT.TYPE**

NIMH

MODE

**CHARGE**: Charge **DISCHARGE**: Discharge

## CELL(S)

**AUTO:** Charger automatically detect the cell count of the battery.

1: Charge/Discharge 1 cell battery

2: Charge/Discharge 2 cells battery

3: Charge/Discharge 2 cells battery

15: Charge/Discharge 15 cells battery

Important note: Charger can not detect the correct cell count of the battery which has voltage intersection with the other one. So the cell count you set must be exact the same as your battery, otherwise may cause dangerous situation.









## CURRENT(A)

Setting the max charge/discharge current. Range from 0.5-10, change unit: 0.5

## TVC(MV)

Terminal Voltage Control. Only available in **discharge mode** Range from **800-1200**, change unit: **10**, default: **1000** 

## SAVE[1]

Save the current setting to 1st-9th memory.

## **START**

Connect the battery, press start, charger will work under current setting.

### **BACK**

Back to "STANDBY" menu.

# Working status specify

Charge	Working		
	CUR	RENT STATUS	
Battery  Working Mode  Current Total Voltage  Charged capacity External temperature Timer	NIMH 10S — CHARGE — 3.69 A — 10.78 V — 1958MAH — 28°C — 9.38	CHARGE >>>	

Discharge	Working
Battery Working Mode Current Total Voltage Discharged capacity	NIMH 105 DISCHARGE 0.69 A 13.78 U DISCHARGE <<< 1958MAH
Timer ◆	9 38

_					
- H	ını	ıs	h	e	d

CUR	RENT STATUS
NIMH 105 CHARGE	
0.69 A	
15.78 U	FINISHED
2958MAH	
29.38	

\*Display stop along with "Bi...Bi..." sound

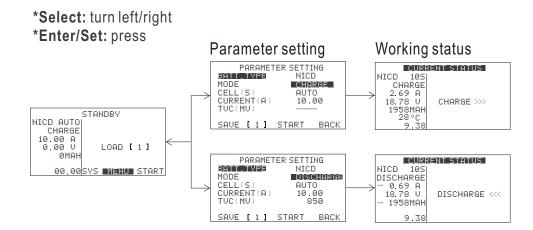
### Finished

CURF	RENT STATUS
NIMH 105 DISCHARGE	
0.39 A	
10.78 V 2958MAH	FINISHED
Z938NHH	
29.38	

\*Display stop along with "Bi...Bi..." sound

**Note:** When working finished, disconnect the charge cable, along with "Bi...Bi..." sound, screen return to "STANDBY" menu.

# **CHARGE/DISCHARGE NICD BATTERY**



**BATT.TYPE** 

NICD

MODE

CHARGE: Charge DISCHARGE: Discharge

CELL(S)

AUTO: Charger automatically detect the cell count of the battery.

1: Charge/Discharge 1 cell battery

2: Charge/Discharge 2 cells battery

3: Charge/Discharge 2 cells battery

15: Charge/Discharge 15 cells battery

**Important note:** Charger can not detect the correct cell count of the battery which has voltage intersection with the other one. So the cell count you set must be exact the same as your battery, otherwise may cause dangerous situation.









## CURRENT(A)

Setting the max charge/discharge current. Range from 0.5-10, change unit: 0.5

## TVC(MV)

Terminal Voltage Control. Only available in **discharge mode** Range from **650-1050**, change unit: **10**, default: **1000** 

## SAVE[1]

Save the current setting to 1st-9th memory.

## **START**

Connect the battery, press start, charger will work under current setting.

## **BACK**

Back to "STANDBY" menu.

# Working status specify

Charge	Working		
5 "	CURE	RENT STATUS	
Battery ← Working Mode ←	NICD 10S CHARGE		
Current ← Total Voltage ←	— 3.69 А   — 10.78 V	CHARGE >>>	
Charged capacity ← External temperature ←	——1958MAH ———28°C		
Timer ◆	9.38		

Discharge	V	Vorking
Battery Working Mode Current Total Voltage Discharged capacity	NICD 10S DISCHARGE 0.69 A 13.78 V 1958MAH	DISCHARGE <<<
Timer +	9 79	

Finished

Γ	CI	URR	ENT STATUS
		05	
	CHAR 0.69		
	15.78		FINISHED
	2958M		
	28°		
L	Z7.	20	

\*Display stop along with "Bi...Bi..." sound

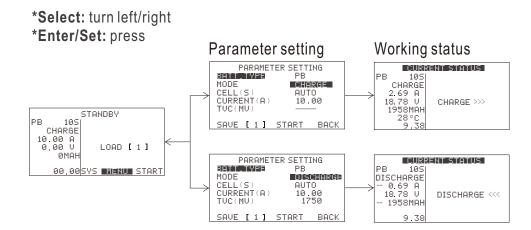
### Finished

CURRENT STATUS NICD 10SI DISCHARGE		
	CURI	RENT STATUS
0.39 A 10.78 V FINISHED 2958MAH	NICD 10S DISCHARGE 0.39 A 10.78 U 2958MAH	FINISHED

\*Display stop along with "Bi...Bi..." sound

**Note:** When working finished, disconnect the charge cable, along with "Bi...Bi..." sound, screen return to "STANDBY" menu.

# **CHARGE/DISCHARGE PB BATTERY**



**BATT.TYPE** 

PB

MODE

CHARGE: Charge DISCHARGE: Discharge

## CELL(S)

AUTO: Charger automatically detect the cell count of the battery.

- 1: Charge/Discharge 1 cell battery
- 2: Charge/Discharge 2 cells battery
- 3: Charge/Discharge 2 cells battery

10: Charge/Discharge 10cells battery

**Important note:** Charger can not detect the correct cell count of the battery which has voltage intersection with the other one. So the cell count you set must be exact the same as your battery, otherwise may cause dangerous situation.









## CURRENT(A)

Setting the max charge/discharge current. Range from 0.5-10, change unit: 0.5

## TVC(MV)

Terminal Voltage Control. Only available in **discharge mode** Range from **1550-1950**, change unit: **10**, default: **1750** 

### **SAVE[1]**

Save the current setting to 1st-9th memory.

### **START**

Connect the battery, press start, charger will work under current setting.

### **BACK**

Back to "STANDBY" menu.

# Working status specify

Charge	Working		
	CURRENT STATUS		
Battery  Working Mode  Current Total Voltage Charged capacity External temperature Timer	PB 105 — CHARGE — 3.69 A — 18.78 V — 1958MAH — 28°C — 9.38	CHARGE >>>	

Discharge	Working	
Battery  Working Mode  Current  Total Voltage  Discharged capacity	TURRENT STATUS PB 105 DISCHARGE	
Timer ◆	<del>                                       </del>	

_				
Н	ın	IIS	ŧh	ed

CURRI	ENT STATUS
PB 105	
CHARGE	
0.69 A	
24.48 U	FINISHED
2958MAH	
28°C	
29.38	

\*Display stop along with "Bi...Bi..." sound

### Finished

CURR	RENT STATUS
PB 10S DISCHARGE 0.39 A 17.78 U	FINISHED
2958MÅH 29.38	111131120

\*Display stop along with "Bi...Bi..." sound

**Note:** When working finished, disconnect the charge cable, along with "Bi...Bi..." sound, screen return to "STANDBY" menu.

# **NOTES OF WORK STATUS**

### Note:

- 1, Press "START" or during working, if input voltage is higher than 18.0V, charger will display "HIGHER INPUT VOLTAGE" along with "Bi...Bi...Bi..." sound.
- 2, Press "START" or during working, if input voltage is lower than 11.0V, charger will display "LOWER INPUT VOLTAGE" along with "Bi...Bi..." sound.
- 3, If output connection reverse, charger will display "REVERSE OUTPUT" along with "Bi...Bi..." sound.
- 4, If battery's total voltage is lower than the discharge cutoff level, charger will display "LOWER TOTAL VOLTAGE" along with "Bi...Bi..." sound.
- 5, If battery's cell voltage is lower than the discharge cutoff level, charger will display "LOWER CELL VOLTAGE" along with "Bi...Bi..." sound.
- 6, If battery detected by the charger is different from your setting, charger MAY display "BATTERY ERROR" along with "Bi...Bi..." sound.
- 7,Disconnect the charge cable during working status, charger will display "CONNECTION ERROR" along with "Bi...Bi..." sound.
- 8, In "BALCHARGE" mode, disconnect the balance connector, charger will display "BALANCE ERROR" along with "Bi...Bi..." sound.
- 9, In "CHARGE" mode, plug in balance connector, charger will automatically shift to "Balance charge" mode. Disconnect the balance connector, charger will display "BALANCE ERROR" along with "Bi...Bi..." sound.
- 10, In "DISCHARGE" and "STORAGE" mode, plug in balance connector, charger will display cell voltage. Disconnect the balance connector, charger will display "BALANCE ERROR" along with "Bi...Bi...Bi..." sound.

### Remark:

- 1, Once the charger report error, press "ENTER" to return "STANDBY" Menu.
- 2,Screen diagram shows in this manual only for reference, and will be different in each use.

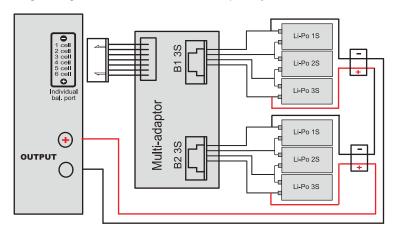


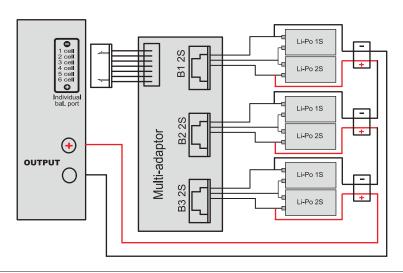




# **BATTERY IN SERIES CHARGE**

You can charge and balance several Lithium batteries at the same time, by using optional 2x2S(2x3S) in series adaptor. Please note that the battery packs being charged should have same capacity and cell-count.





## WARRANTY

CRC provide a period of one year product warranty from the date of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase.

During that period, we will repair or replace free of service charge for products deemed defective due to those causes. This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification or as a result of failure to observe the use guideline in this manual.

# LIABILITY EXCLUSION

C6P is designed and approved exclusively for charge the types of battery stated in this manual. CRC do not accept any liability if the charger is used for any purpose other than that stated. We are unable to ensure you follow the instructions come with the charger, and we have no control over the methods you employ for using, operating and maintaining this device. For this reason we are obliged to deny the liability for loss, damage or costs which are incurred due to the incompetent or incorrect use and operation of this product, or which are connected with such operation in any way. Unless otherwise prescribed by law, our obligation to pay compensation, regardless of the legal argument employed, is limited to the invoice value of those CRC products which were immediately and directly involved in the event in which the damage occurred.





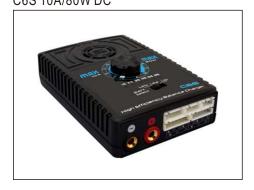
# **INSTRUCTION MANUAL**

# **CONFORMITY DECLARATION**

C6P satisfies all relevant and mandatory EC directives and FCC Part 15 Subpart B: 2008. The product has been tested to most the following technical standards:

The product h	he product has been tested to meet the following technical standards:				
Application	Test Standard	Title	Result		
CE-LVD	EN60335	For safety of household and similar electrical appliances.	Conform		
CE-EMC	EN55014-1:2006	Electromagnetic compatibility-Requirements for household appliances, electric tools and Similar apparaturs - Part 1: Emission	Conform		
	EN55014-2:1997 +A1:2001	Electromagnetic compatibility-Requirements for household appliances, electric tools and Similar apparaturs - Part 2: Immunity-Product family standard	Conform		
	EN61000-6-1(2007)	Electromagnetic compatibility (EMC) Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments.	Conform		
	EN61000-6-3(2007)	Electromagnetic compatibility (EMC) Part 6-3: Genericstandards - Emission standard for residential, commercial and light-industrial environments.	Conform		
FCC-VOC	FCC Part 15B	Electromagnetic compatibility (EMC), Conduction Emission & Radiation Emission	Conform		

## C6S 10A/80W DC



### C6P 10A/100W DC

**CRC PRODUCT SUMMARY** 







This symbol means that you must dispose of electrical devices from the general household waste when it reaches the end of its useful life. Take your charger to your local waste collection point or recycling centre.

This applies to all countries of the European Union, and to other European countries with a separate waste collection system.

SHENZHEN CASAL TECHNOLOGY CO.,LTD



