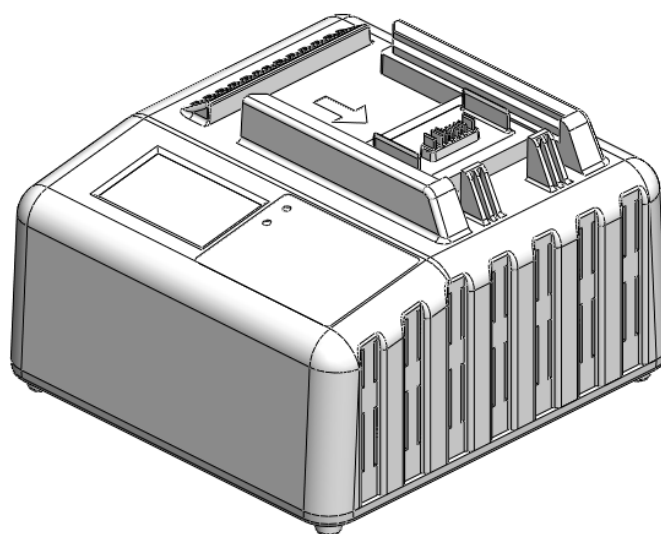


OPERATION MANUAL FOR CHARGE STATION



■ SKC-P120W

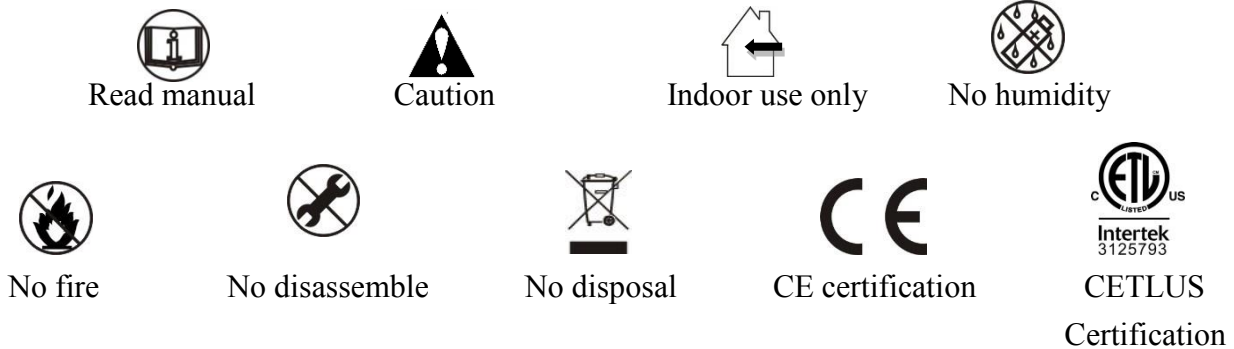
(In: AC 100~240V Out: 21V)

KILEWS INDUSTRIAL CO., LTD.

<http://www.kilews.com>

Y2F109-E-005

Symbols



Caution

Please  read all instructions carefully before operate the rechargeable battery and charger. Also please follow all the instructions and pay attention to all the warning.

Important Notification

1. Please operate under the correct voltage to the charger in according with the operation manual.
2. When charging the battery, please make sure the grounding and safety components are properly attached before operate.
3. The charger should store in clean and dry area. Do not place heavy stuff on the charger. Please do not charge the battery when the temperature is above 33°C.
4. Please do not place the charger in the poorly ventilated place, nor expose the charger in the dust or metal crumb.
5. Do not expose the charger directly under sun, high temperature, high humidity , and highly explosive gas .
6. Do not place charger on high shelf. The charger should be placed on the leveled, firm spot that prevent children from reaching.
7. Do not abuse the cord. Never use the cord to carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
8. Please read all instructions carefully before operate the charger. Failure to follow all instructions listed below may result in electric shock fire and/or serious injury.
9. It is forbidden to use different brand of battery other than Kilews' on the charger. To disassemble and modify the charge are also not allowed.

Grounding Instruction

The charger needs to be grounded all the time in case of electrical shock. The grounding wire must be connected firmly with power supply equipment for effective grounding result. The leading wire with yellow-green color is a grounding wire. Never attempt to connect this yellow-green color wire on electrified connector

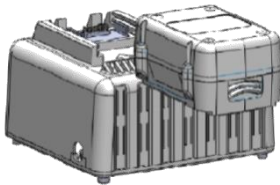
Caution

1. Please match the correct Lithium-ion rechargeable battery for this charger, which is only manufacture by Kilews. Do not apply different type or brand of battery on this charger, otherwise may cause error or danger
2. Please match the charger with the battery models
SKC-LB1815/SKC-LB1820/SKC-LB1830/SKC-LB1840. The use of other than genuine KILEWS replacement parts or battery may result in decreased tool performance and increased maintenance, and may invalidate all warranties.
3. Keep children, and bystanders away while charging the battery, in case of danger.
4. Please do not plug in the charger when the plug or users' hand is wet.
5. To disassemble or modify the charger's plug may cause danger or dysfunction.
6. This charger only applies to the rechargeable battery of Kilews. Please do not apply the charger to other different brand of battery or for other propose.
7. Please do not attempt to disassemble  or modify the charger and the rechargeable battery.

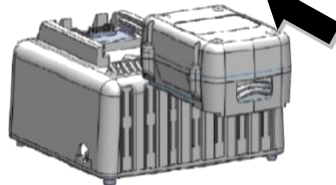
Operation Instruction

1. Please check the cord to see if there any damage before plug in the charger. Hold the plug of power cord while plugging in or unplug the charger.
2. Do not place chargers near oil, chemical materials or heated objects, also please be alert not to scratch the power cord by sharp object.
3. When the charger is not in use, please unplug the power and store in dry safe place where it is not reachable by children.
4. Charger and battery assemble.

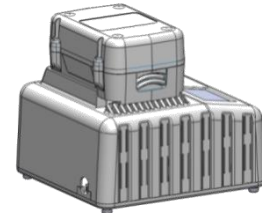
Assemble



- (1) Match the battery to the charger's slide track slide in straightly.

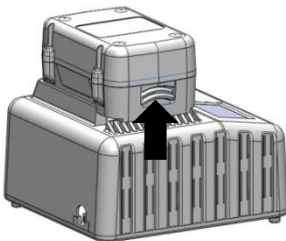


- (2) The direction of the battery when insert, push all the way down until click sound

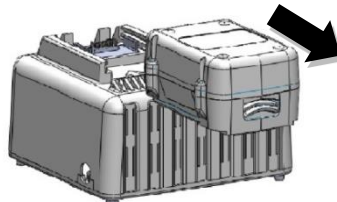


- (3) Inserting steps finished, the charger will identify the battery ID, when ID are matched, there will be a short beep sound

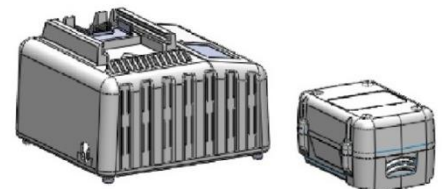
Decomposition



- (1) Push up and hold the latch switch



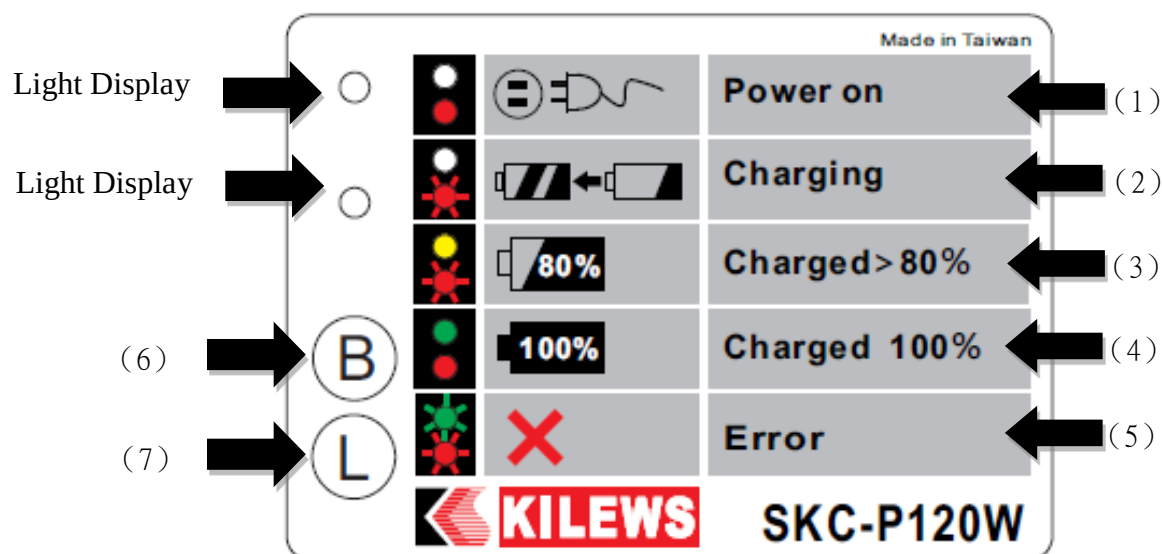
- (2) The direction of battery when removing



- (3) Removing steps finished

5. Please locate the charger close socket.

6. LCD Screen and LED Light Display Description



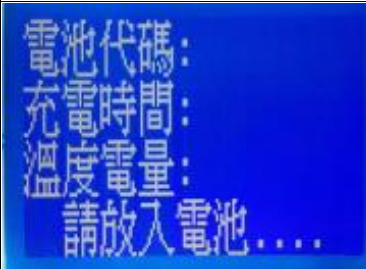
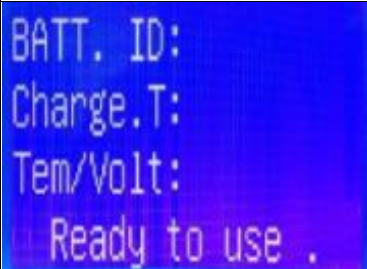
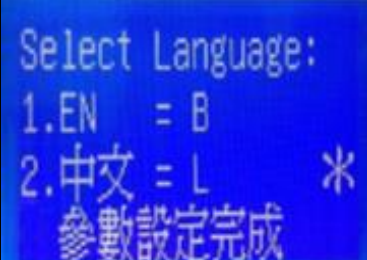
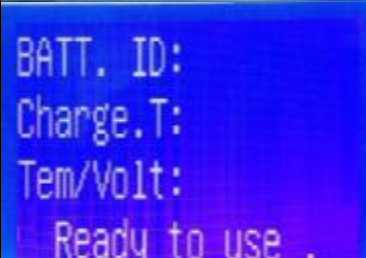
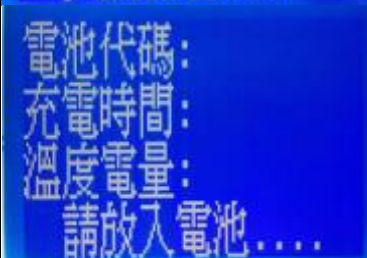
- (1) When the charger plug in the power, it starts automatically. (The following lists are charger start sequence.)
 1. Light Display shows continuous green light
 2. One long beep sounds
 3. Fan start and then stop
- (2) Red light flash => means the battery is charging.
- (3) Long yellow light and flash red light=>means the battery is charged 80% and continuous charging.
- (4) Red and green lights both light up at the same time=>means the battery is fully charged 100% and one long beep sound for 3s.
- (5) Red and green lights both are blinking=>with continuous short beep sounds means there are errors when charging the battery. Check for the battery if the battery insert correctly. If the charger continues shows error, please change another batter to see if the error was caused by battery or the charger. This charger only applies to the rechargeable battery of Kilews. Please do not apply the charger to other different brand of battery.
- (6) Battery status: Press (B) button for 5 seconds to switch the screen to “Battery Charge Status Display”

Counter status

Chinese Mode Display	English Mode Display
充電次數: 0009 充電總時數: 0001 時 50 分	C.COUNT: 0000 C.Total.T.: 0000 H. 00 M.
Screen Display Description	
LINE 1	Total charged times
LINE 2	Total charged hours
LINE 3	Total charged minutes

(7) Language Select Button : Press (L) for 5 seconds to switch the screen to “Language Select Menu Display”

Language Select Description

Chinese Mode Display		English Mode Display	
	Press (L) button for 5 seconds to switch display from main screen to “Language Select Menu Display”		Press (L) button for 5 seconds to switch display from main screen to “Language Select Menu Display”
	There have two language for selection: 1. EN = B Press button (B) to select English 2. 中文 = L Press button (L) to select Chinese (*) is the current selected language		There have two language for selection: 1. EN = B Press button (B) to select English 2. 中文 = L Press button (L) to select Chinese (*) is the current selected language
	Press button (B) for 5 seconds to select English language, when setting is completed the status line will display : “Set Completed!”		Press button (L) for 5 seconds to select Chinese language, when setting is completed the status line will display : “參數設定完成”
	Release button (B) for 5 seconds, System will return to main screen and switch to English mode display.		Release button (L) for 5 seconds, System will return to main screen and switch to Chinese mode display.

Contents

SKC-P120W charger stand	1PCS
operation manual	1PCS
certification	1PCS

Other status

Chinese Mode Display	English Mode Display
	
LCD Display Description	
LINE 1	Battery Type and ID Check status
LINE 2	Current Charging Time
LINE 3	Battery Temperature and Level
LINE 4	Charging status

Charger Information and Buzzer Status Description	Charger Status	Buzzer Status	
	BATT. ID Correct	Beep(1 sec)	Normal
	"B.VOLT.FULL"	Beep(3 sec)	Normal
	"BATT. FAIL "	Beep(1 sec)Continue	Abnormal
	"Battery temperature is too low "	Beep(1 sec)Continue	Abnormal
	"B.TEMP. HIGH "	Beep(1 sec)Continue	Abnormal
	"B.TEMP. OVER "	Beep(1 sec)Continue	Abnormal
	"Battery voltage is too low "	Beep(1 sec)Continue	Abnormal
	"C.TEMP. LOW "	Beep(1 sec)Continue	Abnormal
	"C.TEMP. HIGH "	Beep(1 sec)Continue	Abnormal
	"BATT.ID ERROR"	Beep(1 sec)Continue	Abnormal
	"BATT. OK"	-	
	"Ready to use ."	-	
	"Pre-Charge...."	-	

Aution: Protection Functions

- | | |
|---|---------------------------------------|
| 1. Over charged protection | 2. Current protection |
| 3. Shortage protection(fuse installation) | 4. Battery reverse current protection |
| 5. Built-in ID recognition feature protection | 6. Temperature protection |

(1) When the battery temperature is between 0-10°C, the charger will use low current to pre-charge the battery until the battery temperature higher then 10°C , then the charger switch back to normal charging mode. When the battery temperature is below 0°C, the charger will stop charging the battery until the battery temperature is higher then 0°C .

(2)When the battery temperature is above 45°C, the charger will automatically change to low current to charge the battery. When the battery temperature is exceed 50°C , the charger will stop charging the battery and make warring beep sound until the battery temperature drop down back to 40°C , then the charger switches back to normal charging mode.

(3)When the charger temperature rises to 75°C, the charger will trigger protection mechanism to stop charging the battery and until the charger temperature drop down back to 65°C , then the charger switches back to normal charging mode.

7.When the charger detects the battery temperature is lower 0°C or about 50°C, then the charging process will be stopped. Automatically rechargeable

8.Low power protection: when the battery voltage is lower than 15V, the charger will automatically change to low current to pre-charge the battery and until the battery voltage is reach to 15V, then the charger switches back to fast charging mode.

Specifications

Model type	Automatic Cordless Screwdriver Battery Charge Station SKC-P120W	
	Charge Station	
Input voltage (AC)	100V – 240V/0.5A~1.2A	
Output voltage(DC)	21VDC	
Output current	4.5A	3.0A
Charge time	(SKC-LB1830/SKC-LB1840) About 35 min charge to 80% and 45 min to fully charged	(SKC-LB1815/SKC-LB1820) About 25 min charge to 80% and 30 min to fully charged
Battery capacity	(3000 mA/hr 3900 mA/hr)	(1500 mA/hr 1950mA/hr)
Battery type	Lithium-ion rechargeable battery	
Battery ID configuration	Battery capacity indicator to show the battery current capacity Battery ID identifier to match the Kilews' battery before charging.	
size	W × L × H 160mm×170mm×80mm	
Weight	1.1Kg	

Caution 
SAVE THESE INSTRUCTIONS
DO NOT DESTROY

NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty	NO	PARTS NO	PARTS NAME-E	PARTS NAME-C	Q'ty
1	AA50004	Flat plug	電源線 平插	1	8	CH30200	Screw 2*6	螺絲 2*6	4
	AA50004-1	America Plug	電源線 美插	1	9	M11209	Fan	風扇	1
	AA50004-2	Europe Plug	電源線 歐插	1	10	CBA10001	Housing-Underside	下蓋	1
	AA50004-3	British Plug	電源線 英插	1	11	EG31515-4	P.C.B-Have LOGO	控制機板-有LOGO	1
	AA50004-4	India Plug	電源線 印度插	1		EG31515-5	P.C.B-no LOGO	控制機板-沒有LOGO	1
	AA50004-5	China plug	電源線 中插	1	12	EG31507-2	P.C.B "POWER SUPPLY"	POWER SUPPLY 機板	1
2	C40763	Housing-Upside	上蓋	1	13	P12102-19-1	2Pin Plug	2PIN2孔插頭含線	1
3	EG31504-4	Power Module	電源聯結模組	1	14	P11019-4	Cable	排線	1
4	C14999	Power Module holder	電源模組固定架	1	15	CH20102-5	Screw 3*6	螺絲 3*6	8
5	CH20102-5	Screw 3*6	螺絲 3*6	2	16	W50101-1	Line deduction	線扣	1
6	N15018	LED lights light pipe	LED燈 導光柱	2	17	CH20103	Rubber Shim	腳墊	4
7	EG31514	P.C.B "BLDC_LCD"	BLDC_LCD控制機板	1	18	CH30003F	Screw 3*16	螺絲 3*16	4
					19	SKC-LB00001	Charger Adaptor	電池轉接座	1

