

CORDLESS TOOLS INDUSTRIAL

ISO 9001



Certificate TW04/02301

INNOVATIVE BRUSHLESS MOTOR ASSURE
THE BEST AND RELIABLE QUALITY



SUMAKE®

MAKE JOBS BETTER THAN EVER



SUMAKE COMPANY PROFILE

Sumake is a manufacturer and exporter specializing in professional high quality pneumatic tools, compressors and accessories suited to a wide range of applications including industrial and automotive.

We are an innovative company.

As a result of constant research and investment we keep at the forefront of current technology and design, thus providing energy efficient, durable and reliable products to industrial markets around the world.

We offer a wide, comprehensive range of CE certified tools and accessories including: Brushless Electric Screwdrivers, Transducerized DC Tools, Torque Readout and Screw Counting System, just to name a few.

Certified to ISO 9001 we run efficient well organized computerised Q.C. ensure we meet quality, packaging and delivery benchmarks.

We guarantee our customers complete spare parts back up for everything we provide.

Superior service to our customers is not a goal, it's a reality.

Sumake, partners in business.



SUMAKE has attended many international exhibitions and is known for a variety of high-end innovations with vivid posters.

Our outstanding showcase is not only eye-catching but also provides hands-on experience for visitors.

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10.8V BRUSHLESS FULL AUTO SHUT-OFF CORDLESS SCREWDRIVER

NEW

Features :

- **High Accuracy Assurance:** $\pm 3\%$ deviation of torque, assure the best quality.
- **Ideal for limited space or areas** where cables and hoses impede handling flexibility e.g., car interior electrical, car assembly, factory assembly etc.
- **High mobility and lightweight ergonomic design:** easy to carry and operate.
- **Dormancy Mode:** Once the screwdriver idles for over 5 seconds, it will turn to sleep mode to save the energy and increase the standby time. The power will be cut off when idle time exceeds 24 seconds, press the trigger to restore power.



Specification:

Model No.	Voltage (V)	Free Speed (r.p.m)		Torque Range ($\pm 3\%$)			Weight (w/o Battery)		Dimension L x H (mm) (w/o Battery)	Battery Pack	Bit Type
		High	Low	ft-lbs (Hard Joint) Soft Joint	N.m (Hard Joint) Soft Joint	kgf/cm (Hard Joint) Soft Joint	lbs	kg			
ES-B11002HA/E-30	10.8	2700	1900	0.37 - 1.48 0.37 - 1.18	0.5 - 2.0 0.5 - 1.6	5 - 20 5 - 16	1.54	0.7	189 x 157	BP1030L x 2 pcs	Standard: HEX 6.35mm Option: HEX 5mm HEX 6.35mm
ES-B11003A/E-30	10.8	1400	1000	0.59 - 2.21 0.59 - 1.77	0.8 - 3.0 0.8 - 2.4	8 - 30 8 - 24	1.54	0.7	189 x 157	BP1030L x 2 pcs	
ES-B11005A/E-30	10.8	800	550	1.11 - 3.32 1.11 - 2.66	1.5 - 4.5 1.5 - 3.6	15 - 45 15 - 36	1.54	0.7	189 x 157	BP1030L x 2 pcs	
ES-B11006A/E-30	10.8	650	450	1.48 - 4.42 1.48 - 3.54	2.0 - 6.0 2.0 - 4.8	20 - 60 20 - 48	1.54	0.7	189 x 157	BP1030L x 2 pcs	

*Standard tool with ESD housing & 2 batteries.

7.2V BRUSHLESS FULL AUTO SHUT-OFF CORDLESS SCREWDRIVER

NEW

Features :

- High Accuracy Assurance:** $\pm 3\%$ deviation of torque, assure the best quality.
- Ideal for limited space or areas** where cables and hoses impede handing flexibility.
- High mobility and lightweight ergonomic design**, easy to carry and operate.
- Dormancy Mode:** Once the screwdriver idles for over 5 seconds, it will turn to sleep mode to save the energy and increase the standby time. The power will be cut off when idle time exceeds 24 seconds, press the trigger to restore power.



Waist Hook

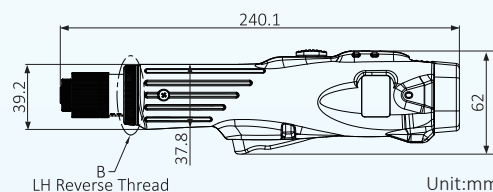
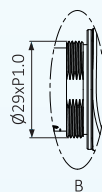
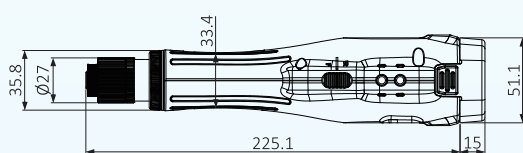
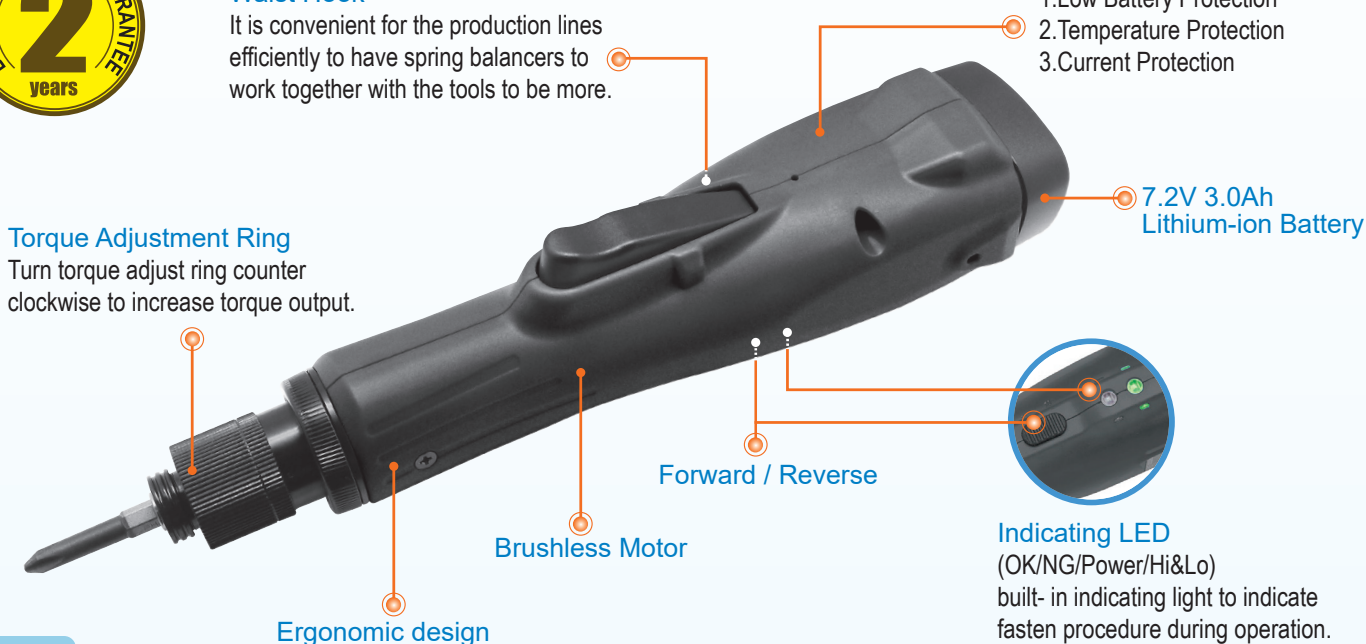
It is convenient for the production lines efficiently to have spring balancers to work together with the tools to be more.

PCB Control

- 1.Low Battery Protection
- 2.Temperature Protection
- 3.Current Protection

Torque Adjustment Ring

Turn torque adjust ring counter clockwise to increase torque output.



Specification:

Model No.	Voltage (V)	Free Speed (r.p.m)		Torque Range($\pm 3\%$)			Weight (w/o Battery)		Dimension L x W (mm) (w/o Battery)	Battery Pack	Bit Type
		High	Low	ft-lbs (Hard Joint Soft Joint)	N.m (Hard Joint Soft Joint)	kgf/cm (Hard Joint Soft Joint)	lbs	kg			
ES-BS0705A/E-30	7.2V	1000	700	0.07 - 0.37 0.07 - 0.3	0.1 - 0.5 0.1 - 0.4	1 - 5 1 - 4	1.17	0.53	225 x 62	BP0730L x 2 pcs	
ES-BS0712A/E-30	7.2V	1000	700	0.15 - 0.89 0.15 - 0.71	0.2 - 1.2 0.2 - 0.96	2 - 12.2 2 - 9.8	1.17	0.53	225 x 62	BP0730L x 2 pcs	
ES-BS0712LS1A/E-30	7.2V	500	350	0.15 - 0.89 0.15 - 0.71	0.2 - 1.2 0.2 - 0.96	2 - 12.2 2 - 9.8	1.17	0.53	225 x 62	BP0730L x 2 pcs	

*Standard tool with ESD housing & 2 batteries.

10.8V BRUSHLESS FULL AUTO SHUT-OFF **CORDLESS SCREWDRIVER**

Features :

- 1 High Accuracy Assurance:** 3% deviation of torque (Shut off type), assure the best quality.
- 2 Economy:** Wide-ranging torque with longer life cycle of motor (2 years Motor guarantee for shut off type).
- 3 Dormancy Mode (Power saving):** Once the screwdriver idles for over 3 second, it will turn to dormancy mode to save the energy and increase the standby time.



Indicating LED

The cordless battery has built-in indicating light to indicate the fasten procedure during operation

Brushless Motor

Innovative Brushless motor design eliminated carbon dust pollution; result in low maintenance

External Torque Adjustment

Adjust torque rapidly from external torque ring

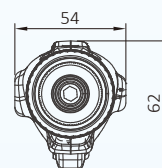
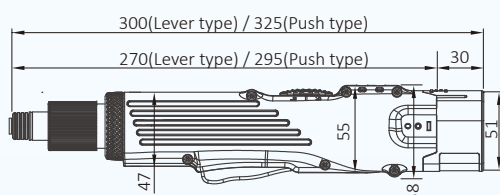
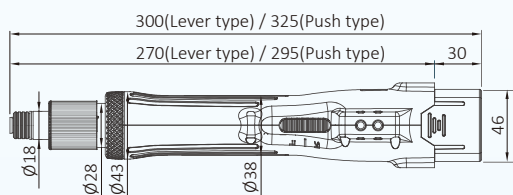
Forward / Reverse Adjustment (Lever start type)

High & Low Speed Adjustment For extended use application

Ergonomic Design





EAA-AH1S(Option) 90° Angle Head

EAA-TL28A Torque cover



Unit:mm

Specification:

Model No.	Voltage (V)	Free Speed (r.p.m)		Torque Range(±3%) (Hard Joint) (Soft Joint)			Weight (w/o battery)		Dimension (mm) w/o Battery	Battery Pack	Bit Type
		High	Low	ft-lbs	N.m	kgf/cm	kg	lbs			
Lever Start Type										BP1030L x 2 pcs	Standard: B  HEX 6.35mm 9.5 6.35 Option: E  HEX 5mm 16 5 F  HEX 6.35mm 16 6.35
ES-BS1002A-30	10.8	1200	850	0.22 - 1.48 0.22 - 1.18	0.3 - 2.0 0.3 - 1.6	3.1 - 20.4 3.1 - 16.3	0.67	1.48	270 x 62		
ES-BS1003A-30	10.8	1200	850	0.59 - 2.22 0.59 - 1.8	0.8 - 3.0 0.8 - 2.4	8.2 - 30.6 8.2 - 24.5	0.67	1.48	270 x 62		
ES-BS1004A-30	10.8	700	500	1.11 - 3.33 1.11 - 2.66	1.5 - 4.5 1.5 - 3.6	15.3 - 45.9 15.3 - 36.7	0.67	1.48	270 x 62		
Push To Start Type											B  HEX 6.35mm 9.5 6.35
ES-BS1002PA-30	10.8	1200	-	0.37 - 1.48 0.37 - 1.18	0.5 - 2.0 0.5 - 1.6	5.1 - 20.4 5.1 - 16.3	0.69	1.52	295 x 62		
ES-BS1003PA-30	10.8	1200	-	0.7 - 2.2 0.7 - 1.78	1.0 - 3.0 1.0 - 2.4	10.2 - 30.6 10.2 - 24.5	0.69	1.52	295 x 62		
ES-BS1004PA-30	10.8	700	-	1.5 - 3.32 1.5 - 2.66	2.0 - 4.5 2.0 - 3.6	20.4 - 45.9 20.4 - 36.7	0.69	1.52	295 x 62		

*Standard tool with 2 batteries.

*Optional: ESD housing available.



18V BRUSHLESS FULL AUTO SHUT-OFF CORDLESS ANGLE SCREWDRIVER & WRENCH



Angle head can be adjusted through 360° by 45° turns in 8 equal positions

Colorful torque ring easily distinguish the torque virtually



Friendly Design

LED light for working in dark area



Hanger Ring

Brushless Motor
(Environmental Friendly)

One-Hand operation
Easy to switch Forward/Reverse

PCB control protection

The performance with fully charged battery can reach to 560 screws on loading 60 Nm (EAW-B1860-40)



Internal Torque Adjustment

Automatic shut-off clutch with high precision torque



High & Low Speed switch to extend the application

Power light
LED signal light



Waist Hook

Wrist Strap



18V BRUSHLESS FULL AUTO SHUT-OFF **CORDLESS ANGLE SCREWDRIVER & WRENCH**

Protection & safety:

- 1 Over electric current protection.
- 2 Slow rotation protection.
- 3 Reverse control protection.
- 4 Battery Self-identified & Sleep mode (Energy saved).

- 5 Low power protection.
- 6 Thermal protection.
- 7 Stall protection.



Charger

- Identification Of Original Battery Device:
identify whether the battery is original or not, if not, the battery can not be charged. (BC21L03)



BC21L02

Weight : 0.53kg

BC21L03

Weight : 0.55kg

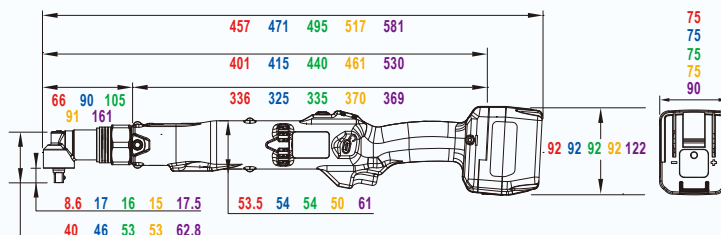
21 Voltage Charger



BC21L04

21 Voltage Charger

Weight : 0.53kg










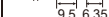




■ Body I ■ Body II ■ Body III ■ Body IV ■ Body V

Unit: mm

Specification:

Specification.

Model No.	Voltage (V)	Free Speed (r.p.m)	Torque Range (Accuracy±5%)			Weight (w/o Battery)		Dimension (WxLxH) (mm)	Battery Pack	Option Charger	Bit Type	
		High Low	in-lbs (Hard Joint Soft Joint)	Nm (Hard Joint Soft Joint)	Kgf/cm (Hard Joint Soft Joint)	lbs	kg				Standard	Option
Body I												
EAS-B1805H-30	18	1,200 800	17.7~44.3 17.7~35.4	2~5 2~4	20~50 20~40	2.76	1.25	75x457x92	BP1832L	BC21L04	B: HEX 6.35mm 	E: HEX 5mm 
EAS-B1807-30	18	850 550	22.1~62.0 22.1~49.6	2.5~7 2.5~5.6	25~70 25~56	2.76	1.25	75x457x92	BP1832L		9.5 6.35 	16 5 
Body II												
EAS-B1812-30	18	550 350	53.1~106.2 53.1~85	6~12 6~9.6	60~120 60~96	3.31	1.5	75x471x92	BP1832L	BC21L04	B: HEX 6.35mm 	W:  Square Drive 3/8"
EAS-B1815-30	18	350 220	70.8~132.8 70.8~106.2	8~15 8~12	80~150 80~120	4.08	1.85	75x495x92	BP1832L		9.5 6.35 	-
Body IV												
EAS-B1808H-30	18	1200 800	26.6~70.8 26.6~56.6	3~8 3~6.4	30~80 30~64	4.19	1.9	75x517x92	BP1832L	BC21L04	B: HEX 6.35mm 	W:  Square Drive 3/8"
EAS-B1815H-30	18	800 550	70.8~132.8 70.8~106.2	8~15 8~12	80~150 80~120	4.19	1.9	75x517x92	BP1832L		9.5 6.35 	-
EAW-B1830-30	18	350 220	106.2~265.5 106.2~212.4	12~30 12~24	120~300 120~240	4.19	1.9	75x517x92	BP1832L		W:  Square Drive 3/8"	-
Body V												
EAW-B1845-40	18	200 130	132.8~398.3 132.8~318.6	15~45 15~36	150~450 150~360	6.27	2.85	90x581x122	BP1841L	BC21L02 BC21L03	W:  Square Drive 1/2"	-
EAW-B1860-40	18	200 130	221.3~531 221.3~424.8	25~60 25~48	250~600 250~480	6.27	2.85	90x581x122	BP1841L		-	

*Free load speed will be fixed when battery volume is more than 17V (17~21V).

18V BRUSHLESS FULL AUTO SHUT-OFF CORDLESS SCREWDRIVER

Features :

- High Accuracy Assurance:** 3% deviation of torque (Shut off type), assure the best quality.
- Economy:** Wide-ranging torque with longer life cycle of motor (2 years Motor guarantee for shut off type).
- Less Counterforce:** Special mechanical structure and motor improve the safety of operator and reduce occupational disease.
- Energy Saving:** With efficiency motor provide 8000 screws on loading 6Nm torque – ES-B1806-30 with fully charged battery.
- Dormancy Mode (Power saving):** Once the screwdriver is idle for over 3 seconds, it will enter sleep mode to save energy and increase standby time.



Torque Fixed Ring

Fixed ring design could prevent user from adjust the torque at will.

*For Small body I model no. EAA-TC16A

*For Small body II model no. EAA-TC17A



External Torque Adjustment

Adjust torque rapidly from external torque ring

Friendly Design

LED light for working in dark area

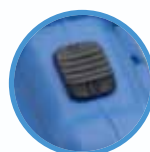


Single-Hand Operation

Push to change the rotary direction easily. Adjust forward/reverse lever to the center position to trigger, prevent tool from misapplied.

★ With efficient motor increase the productivity.

The performance of ES-B1806-30 with full charged battery can reach to 8,000 screws on loading 6Nm torque.



High & Low Speed Adjustment

For extended use application

OK/NG Indication

The LED Green flash – one short buzz means “OK - Shut Off”

The LED Red flash – one Long buzz means “NG”

Low Cell Warning

20%: Flash Red Light - Pls change battery;
10%: Red light - Power cut off



PCB Control

- MOS Temperature Protection
- Anti-rotating Protection

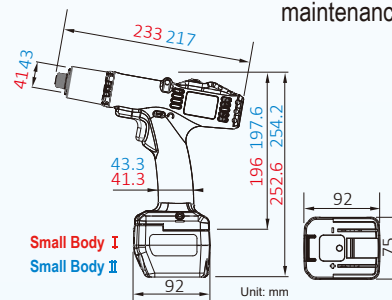


Brushless Motor

Innovative Brushless motor design eliminated carbon dust pollution; result in low maintenance

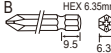
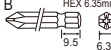



Waist Hook



Specification:

Specification

Model No.	Voltage (V)	Free Speed (r.p.m)		Torque Range (±3%)			Weight (w/Battery)		Dimension (WxLxH) (mm)	Battery Pack	Bit Type	
		High	Low	ft-lbs (Hard Joint Soft Joint)	Nm (Hard Joint Soft Joint)	Kgf/cm (Hard Joint Soft Joint)	kg	lbs				
Small Body I												
ES-B1803-30	18	1,000	650	0.7-2.6 0.7-2.1	1.0-3.5 1.0-2.8	10.2-35.7 10.2-28.6	1.02	2.25	75x217x252	BP1832L	<div>B HEX 6.35mm 9.5 6.35</div>	
ES-B1803H-30		2,000	1,300	0.7-2.6 0.7-2.1	1.0-3.5 1.0-2.8	10.2-35.7 10.2-28.6	1.02	2.25	75x217x252			
ES-B1806-30		1,000	650	1.5-4.4 1.5-3.6	2.0-6.0 2.0-4.8	20.4-61.2 20.4-48.9	1.02	2.25	75x217x252	BP1832L	<div>Standard: B HEX 6.35mm 9.5 6.35</div> <div>Option: W Square Drive 3/8" </div>	
Small Body II												
ES-B1805H-30	18	2,200	1,400	1.5-3.7 1.5-3.0	2.0-5.0 2.0-4.0	20.4-51.0 20.4-40.8	1.16	2.56	75x233x254			
ES-B1809-30		1,000	650	2.2-6.7 2.2-5.3	3.0-9.0 3.0-7.2	30.6-91.8 30.6-73.4	1.16	2.56	75x233x254			
ES-B1812-30		880	570	4.4-8.9 4.4-7.1	6.0-12.0 6.0-9.6	61.2-122.4 61.2-97.9	1.16	2.56	75x233x254			

Model No. with "A" includes 2 batteries. e.g.ES-B1803A-20

18V BRUSHLESS FULL AUTO SHUT-OFF & SEMI-AUTO CORDLESS SCREWDRIVER



Wrench
Internal Torque Adjustment

Auto Shut-off

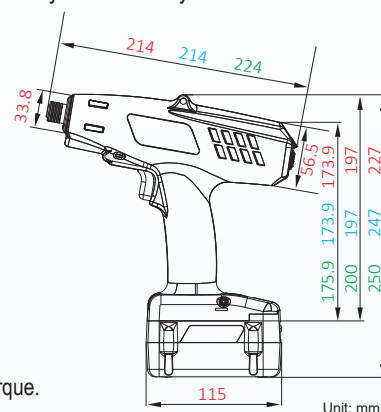
ES-B1808L-20
ES-B1812L-20
2.0Ah Li-ion battery

ES-B1808L-40
ES-B1812L-40
ES-B1815L-40
ES-B1822L-40
4.0Ah Li-ion battery
(Long-Lasting Type)



Torque Rings

SUMAKE Color Rings give you an easily visible torque marking system at a glance. Choose the color for each torque level used on your assembly line



Unit: mm

★ With efficient motor increase the productivity.

The performance of ES-B1822L-40 with full charged battery can reach to 6,000 screws on loading 22Nm torque.

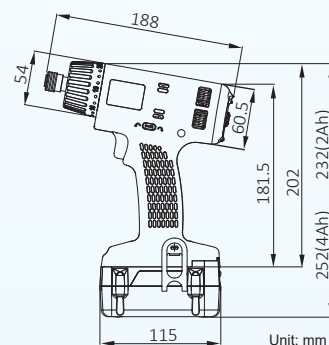


External Torque Adjustment
Adjust The Torque Rapidly

Semi-Auto



ESS-B1805-20
ESS-B1808-20
ESS-B1812-20
2.0Ah Li-ion battery

ESS-B1805-40
ESS-B1808-40
ESS-B1812-40
4.0Ah Li-ion battery
(Long-Lasting Type)



Unit: mm

Specification:

Model No.	Voltage (V)	Free Speed (r.p.m)			Torque Range (±10%)			Weight (w/Battery)		Dimension (WxLxH) (mm)	Battery Pack	Bit Type
		High	Mid	Low	ft-lbs (Hard Joint) (Soft Joint)	Nm (Hard Joint) (Soft Joint)	Kgf/cm (Hard Joint) (Soft Joint)	lbs	kg			
Full Auto Shut-Off Type												
ES-B1808L-20	18	1,200	-	780	3.0-5.9 3.0-4.7	4.0-8.0 4.0-6.4	40.8-81.6 40.8-65.3	2.97	1.35	90x214x227	BP1821L	Standard: B  HEX 6.35mm 9.5 6.35
ES-B1808L-40								3.5	1.6	90x214x247	BP1841L	
ES-B1812L-20	18	720	-	450	3.7~8.9 3.7~7.1	5.0-12.0 5.0-9.6	51.0-122.4 51.0-97.9	2.97	1.35	90x214x227	BP1821L	
ES-B1812L-40								3.5	1.6	90x214x247	BP1841L	
ES-B1815L-40	18	600	-	380	4.4-11.0 4.4-8.9	6.0-15.0 6.0-12.0	61.2-153 61.2-122.4	3.6	1.65	90x224x250	BP1841L	
ES-B1822L-40	18	350	-	200	5.9-16.3 5.9-13.0	8.0-22.0 8.0-17.6	81.6-224.3 81.6-179.5	4.2	1.9	90x224x250	BP1841L	
Semi-Auto Type												
ESS-B1805-20	18	2,200	1,600	1,100	1.1-3.7 1.1-3.0	1.5-5.0 1.5-4.0	15.3-51.0 15.0-40.8	2.97	1.35	90x188x232	BP1821L	Option: Square Drive 3/8" 
ESS-B1805-40								3.5	1.6	90x188x252	BP1841L	
ESS-B1808-20	18	1,200	900	600	3.0-5.9 3.0-4.7	4.0-8.0 4.0-6.4	40.8-81.6 40.8-65.3	2.97	1.35	90x188x232	BP1821L	
ESS-B1808-40								3.5	1.6	90x188x252	BP1841L	
ESS-B1812-20	18	700	500	350	4.4-8.9 4.4-7.1	6.0-12.0 6.0-9.6	61.2-122.4 61.2-97.9	2.97	1.35	90x188x232	BP1821L	
ESS-B1812-40								3.5	1.6	90x188x252	BP1841L	

Model No. with "A" includes 2 batteries. e.g. ES-B1808LA-20

BRUSHLESS CORDLESS MECHANICAL PULSE SCREWDRIVER (Remote Control Type)

Applications

Ideal tool for precise torque and assembling process management in production line.



Precise-machined mechanical pulse mechanism.

Durable brushless motor

Built-in LED light

Ergonomic handle design with soft rubber grip

Programed data display panel



Built-in control processing unit



OK in green light



NG in red light



OKALL
(program/job complete)
in orange light

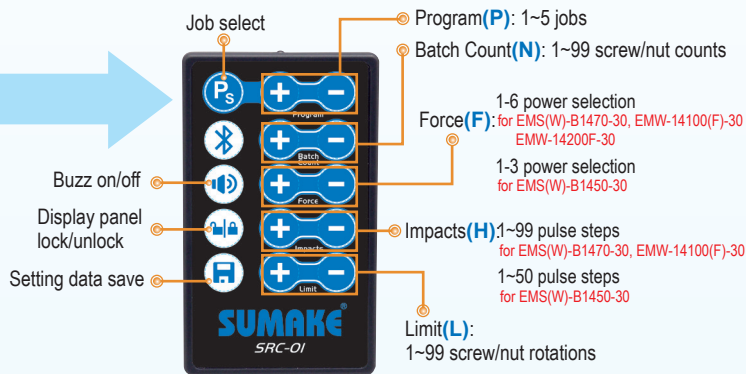
OK/NG Indicator for error warning:

Capable to detect the NG situation such as wrong screw size, screw stripped and screw breaks.



Tool's program only can be set by remote controller

After 3 min stand by, tool will be switched off automatically.



SRC-01 Remote controller

Remote controller function layout for program /torque setting:

5 unique job model setting with the combination of 6 power output selection multiplied by 99 pulse steps.

Specification:

Model No.	Bit Type	Voltage (V)	Free Speed (r.p.m)	Blow Per Minute (b.p.m)	Max Torque (HoF mode)	Torque Range			Bolt Capacity	Overall Length (LxH) (w/o Battery)		Net Weight (w/ Battery)		Battery Pack	Battery Charger
						Nm	lbf-in	Nm		mm	in	kgs	lbs		
EMS-B1450-30	Hex 6.35 mm	14.4	1,900	2,500	70	35.4~309.8	4-35	40.8~356.9	M6~M8	175 x 196	6.89 x 7.72	1.31	2.89	BP1430L	BC16L01
EMW-B1450-30	3/8" Square														
EMW-B14100-30	3/8" Square														
EMW-B14100F-30	1/2" Square	14.4	2,000	2,600	90	88~396	10-45	102~458.9	M8 ~M10	175 x 196	6.89 x 7.72	1.35	2.98	BP1430L	BC16L01
EMW-B14200F-30	1/2" Square														
EMW-B14200F-30	1/2" Square	14.4	1,700	2,100	170	105.6~792	12-90	122.4~917.7	M8~M12	219 x 220	8.62 x 8.66	1.83	4.03	BP1430L	BC16L01

BATTERY & CHARGER (Lithium Ion)

Lithium Ion Battery

- High performance Li-ion battery.
- Built in protection device to prevent battery overcharge and over discharge.
- The latch design increases intensity and convenience.
- Over-temperature protection (discharge): 72°C



BP0730L
7.2V 3.0Ah(42.5Wh)
Weight : 0.12kg



BP1030L
10.8V 3.0Ah(42.5Wh)
Weight : 0.18kg



BP1430L
14.4V 3.0Ah (42.5Wh)
Weight : 0.33kg



BP1832L
18V 3.0Ah(36Wh)
Weight : 0.49kg



BP1821L
18V 2.0Ah(36Wh)
Weight : 0.43kg



BP1841L
(Long-Lasting type)
18V 4.0Ah(70Wh)
Weight : 0.72kg

Charger



BC08L01
8.4V



BC10L01
12.6V



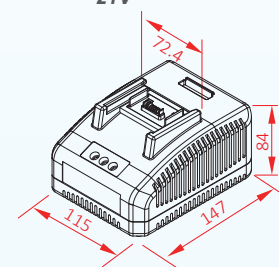
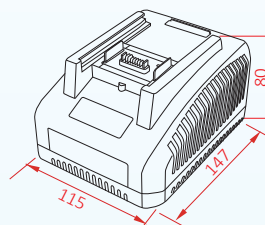
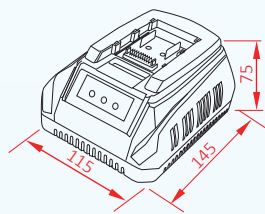
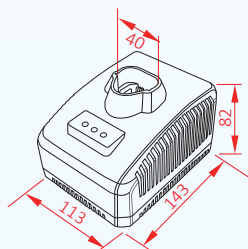
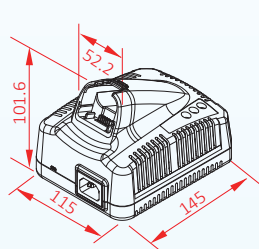
BC16L01
16.8V



BC21L02
BC21L03
21V



BC21L04
21V



Unit: mm

		BC08L01	BC10L01 / BC16L01	BC21L02 / BC21L03 / BC21L04
	Power on(Identification of Original Battery)	1 shut buzz	1 shut buzz	1 shut buzz
	Charging	x	x	x
	Charging > 80%	x	x	x
	Fully Charged	3 long buzz	3 long buzz	3 long buzz
	Incorrect Battery Type or Battery NG	shut buzz continuously	shut buzz continuously	shut buzz continuously

Charger Comparison Sheet

Model No.	Input Voltage	Output Voltage	Output Current	Charging Time	LCD	Identification Of Original Battery	Warning (Buzz)	Weight (Kg)	Types Of Battery	Features
BC08L01	100-240V	12.6V	3A	Abt. 40mins	x	•	•	0.43		<ul style="list-style-type: none"> • SUMAKE battery chargers are compact size, light weight, quick recharge and wide voltage range 90~240V can be applicable worldwide. • Battery temperature detector and protection. • ID identification only allows the SUMAKE charger to charge to ensure battery safety and extend battery life.
BC10L01	100-240V	12.6V	3A	Abt. 40mins	x	•	•	0.47		
BC16L01	100-240V	16.8V	3A	Abt. 40mins	x	•	•	0.46		
BC21L02	100-240V	21V	3A	1.95Ah: Abt. 40mins 3.9Ah: Abt. 80mins	x	x	x	0.53		
BC21L03	100-240V	21V	3A	1.95Ah: Abt. 40mins 3.9Ah: Abt. 80mins	x	•	•	0.55		
BC21L04	100-240V	21V	3A	2.0Ah: Abt. 40mins	x	•	•	0.53		

★ A for UL plug / B for Europe plug / C for UK plug / D for Aus / E for India / F for China / G for Brasil / J for PSE(Japan)



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