



PRECISION CLUTCH INDUSTRIAL CORDLESS SCREWDRIVERS



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ESB6 CORDLESS SHUT-OFF CLUTCH SCREWDRIVERS

18 VDC Brushless Motor, Li-ion Battery

Add freedom of movement to your assembly process with the ESB6 Series Cordless Screwdrivers. These drivers utilize the same precision shut-off clutch technology that is the foundation of the Electric Screwdriver product line. High-performance 18V Lithium-Ion Batteries provide plenty of power and long run times between charging cycles.

Torque Range:

1 - 22 Nm (9 - 194 in-lbs).

Features:

- Precise Shut-off Clutch provides excellent repeatability.
- Hi/Lo Speed Selection switch on screwdriver.
- High performance 18VDC Li-Ion Batteries (purchased separately).
- Slide switch for selection of Forward/Reverse rotation; clutch operates in CCW direction at approx. 30% higher torque level than CW setting.
- Versions available with either internal or external clutch adjustment.
- Green/Red LED's and audible indicators alert operator of proper clutch function at shut-off. A green LED and short beep confirm that the tool has shut-off correctly, a red LED and long beep signal confirms an incorrect cycle.
- To conserve battery life, the screwdriver goes into sleep mode when idle for more than 3 seconds.
- Front facing LED illuminates fastening area when the trigger is pulled.
- LED indicator warns operator of low battery capacity - the red LED will flash when 20% capacity remains and light continuously at 10%.
- Charging Station (purchased separately) provides quick recharge time.



Specifications

Model Number ⁽¹⁾	Range (Nm)	Range (In-lbs)	Speed (RPM) Hi / Lo	Dimensions (mm)(in) Length x Height	Weight (kg)(lbs)	Applicable Batteries / Chargers
Models with external torque adjusting nut and reference scale						
ESB6-X3.5	1 - 3.5	9 - 30	1000 / 650	217 x 196 (mm) 8.5 x 7.7 (in) (less battery)	0.79 kg/1.7lbs (less battery)	<u>Battery:</u> ESB-18VL3000B <u>Battery Charger:</u> ESB-CHG80/1950B
ESB6-X3.5F	1 - 3.5	9 - 30	2000 / 1300			
ESB6-X6	2 - 6	18 - 53	1000 / 650			
ESB6-X5F	2 - 5	18 - 44	2200 / 1400	233 x 200 (mm) 9.2 x 7.9 (in) (less battery)	1.1 kg/2.4lbs (less battery)	
ESB6-X9	3 - 9	27 - 79	1000 / 650			
ESB6-X12	6 - 12	53 - 106	880 / 570			
Models with internal torque adjustment - open access cover and set using adjusting key						
ESB6-8	4 - 8	36 - 70	1200 / 780	214 x 197 (mm) 8.4 x 7.8 (in) (less battery)	1.0 kg/2.2lbs (less battery)	<u>Battery:</u> ESB-18VL3900 ESB-18VL1950 <u>Battery Chargers:</u> ESB-CHG120/ESB-CHG80
ESB6-12	6 - 12	53 - 106	720 / 450			
ESB6-15	4 - 15	36 - 132	600 / 380	224 x 200 (mm) 8.8 x 7.9 (in) (less battery)	1.2 kg/2.6lbs (less battery)	
ESB6-22	8 - 22	70 - 194	350 / 200			

⁽¹⁾ Standard model number is for tool with 1/4" hex bit holder. Add suffix 'SQ' for 3/8" square drive option (eg. ESB6-15SQ)

ESB6 CORDLESS SHUT-OFF CLUTCH NUT-RUNNERS

Angle Type Brushless High Torque Battery Screwdrivers Series

Torque Range:

2–60 Nm (1.5–44.2 ft-lbs)

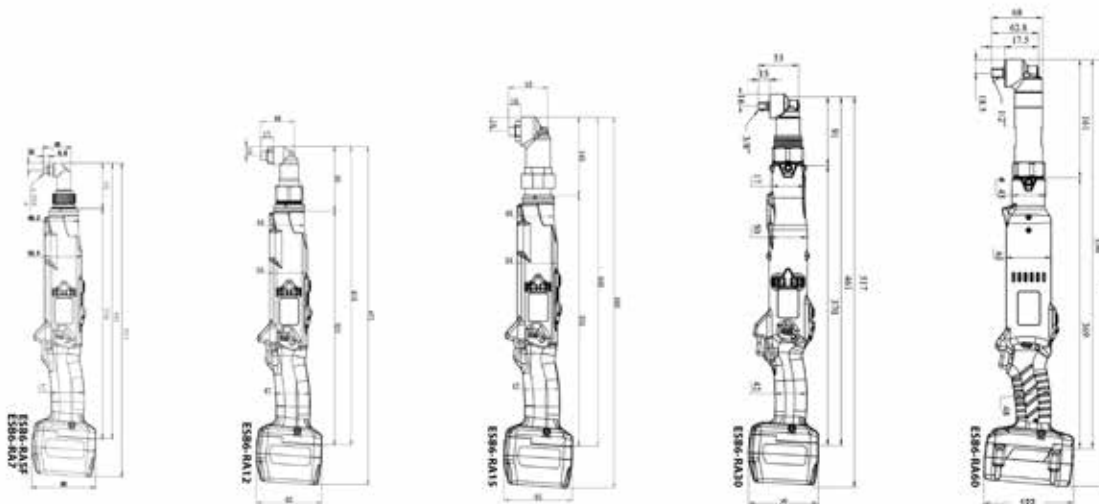
Features:

- Precise shut-off clutch provides excellent repeatability and minimizes torque reaction to the operator
- Hi/Lo speed selection switch on nutrunner
- Powerful DC brushless motor
- High performance 18VDC Li-Ion batteries (purchased separately)
- Front facing LED illuminates fastening area when the trigger is pulled
- To conserve battery life, the screwdriver goes into sleep mode when idle for more than 3 seconds
- Includes swivel bail for suspending from tool balancer
- Long service life — Factory tested to 2,000,000 cycles
- Green/Red LEDs and audible indicators alert operator of proper clutch function at shut-off
- Charging station (purchased separately) provides quick recharge time



Specifications

Model		ESB6-RA5F	ESB6-RA7	ESB6-RA12	ESB6-RA15	ESB6-RA15F	ESB6-RA8F	ESB6-RA30	ESB6-RA45	ESB6-RA60
Input Voltage		18V								
Torque	Hard Joint	2-5 Nm 1.5-3.7 ft-lbs	2.5-7 Nm 1.8-5.2 ft-lbs	6-12 Nm 4.4-8.8 ft-lbs	8-15 Nm 5.9-11 ft-lbs	8-15 Nm 5.9-11 ft-lbs	3-8 Nm 2.2-6 ft-lbs	12-30 Nm 8.8-22.1 ft-lbs	15-45 Nm 11-33.1 ft-lbs	25-60 Nm 18.4-44.2 ft-lbs
	Soft Joint	2-4 Nm 1.5-3 ft-lbs	2.5-5.6 Nm 1.8-4.1 ft-lbs	6-9.6 Nm 4.4-7.1 ft-lbs	8-12 Nm 5.9-8.8 ft-lbs	8-12 Nm 5.9-8.8 ft-lbs	3-6.4 Nm 2.2-4.7 ft-lbs	12-24 Nm 8.8-17.7 ft-lbs	15-36 Nm 11-26.5 ft-lbs	25-48 Nm 18.4-35.4 ft-lbs
Repeatability		±5%								
Torque Adjustment		Internal Stepless								
Free Speed (RPM) ±10%	Hi	1200	850	550	350	850	1200	350	200	200
	Lo	800	550	350	220	550	800	220	130	130
Weight (w/o battery)		1.25 kg / 2.6 lbs		1.5 kg / 3.3 lbs	1.85 kg/4.0 lbs	1.9 kg / 4.2 lbs			2.85 kg / 6.3 lbs	
Length (w/o battery)		400 mm / 15.7 in		415 mm / 16.3 in	440 mm / 17.3 in	450 mm / 17.7 in			530 mm / 20.9 in	
Applicable Battery		ESB-18VL3000B				ESB-18VL3000C			ESB-18VL3900	
Applicable Charger		ESB-CHG80/1950B				ESB-CHG80/1950B			ESB-CHG80/1950B	
Drive Size		1/4" Hex		3/8" Sq 1/4" Hex			3/8" Sq		1/2" Sq	



ESB8 INLINE BRUSHLESS SCREWDRIVERS

Torque Range:

0.2–4.5 Nm (1.8–40 in-lbs)

Features:

- Consistent torque output — Torque accuracy $\pm 3\%$ *
- Clean, brushless motor technology
- Dependable, long lifespan
- Two speed selections available
- Lever start, forward/reverse switch
- LEDs and audible indicators alert user to proper clutch activation at shut-off, low battery, and current speed setting
- To conserve battery power, screwdriver enters sleep mode when idle for more than 3 seconds
- Charging station (purchased separately) provides quick recharge time (~45 minutes)
- Includes torque lock sleeve (DR80-ESB823M for ESB823 Series & DR80-20233M for all other models), belt clip, suspension bail, and 2 driver bits (PH #1 + PH #2)

ESB823(F)



ESB828

ESB828/RA

*Factory test values - actual torque results may vary depending on the specific application, operator input, and test equipment used.

		In-Line				Right Angle			
Model		ESB823	ESB823F-ESD	ESB824	ESB828	ESB829	ESB824/RA	ESB828/RA	ESB829/RA
Input Voltage		7.2V		10.8V			10.8V		
Torque Range	Nm	0.2–1.2		0.3–2.0	0.8–3.0	1.5–4.5	0.3–1.6	0.8–2.4	1.5–3.6
	in-lbs	1.8–10.6		2.7–18	7.1–27	13–40	2.7–14	7.1–21	13–32
Speed (rpm)		500 / 350	1000/700	1200 / 850		700 / 500	1200 / 850		700 / 500
Start Type		Lever					Lever		
Weight (w/o battery)		0.5kg (1.1lbs)		0.7kg (1.5lbs)			0.95kg (2.1lbs)		
Size (L x H w/o battery)		225 x 62 mm (8.8 x 2.4 in)		270 x 60 mm (10.6 x 2.4 in)			320 x 60 mm (12.6 x 2.4 in)		
Applicable Battery		ESB-7VL3000		ESB-10VL3000			ESB-10VL3000		
Applicable Charging Station		ESB-CHG25		ESB-CHG50N			ESB-CHG50N		
Applicable Bit Type		1/4” Hex					1/4” Hex		

*ESD-safe housing available on all models— add suffix '-ESD'

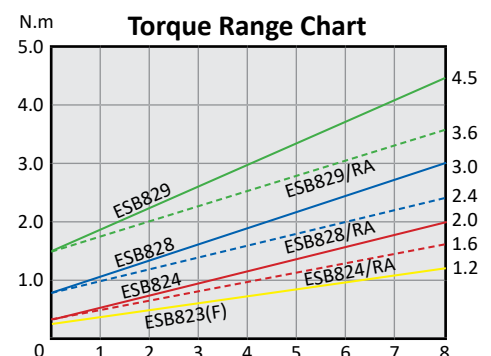


Compatible with
DR90-10104
Tool Balancer



LED indicators

Top	OK Clutch
	NG Clutch
Bottom	Low Speed Mode
	Low Battery



ESB8 INLINE BRUSHLESS SCREWDRIVERS

Torque Range:

0.5–4.5 Nm (4.4–40 in-lbs)

Features:

- Consistent torque output — Torque accuracy $\pm 3\%$ *
- Clean, brushless motor technology
- Dependable, long lifespan
- ESD Safe Housing helps protect sensitive electronics
- Push start with lever reverse switch. Ideal for applications requiring frequent and rapid changes from forward to reverse (i.e. Terminal blocks, Threaded insert, Helicoil, Rivnuts)
- LEDs and audible indicators alert user to proper clutch activation at shut-off, low battery, and current speed setting
- To conserve battery power, screwdriver enters sleep mode when idle for more than 3 seconds
- Charging station (purchased separately) provides quick recharge time (~45 minutes)
- Includes torque lock sleeve (DR80-20233M), belt clip, suspension bail, and 2 driver bits (PH #1 + PH #2)

*Factory test values - actual torque results may vary depending on the specific application, operator input, and test equipment used.



		Inline Push Start (Lever Reverse)		
Model		ESB824P-ESD	ESB828P-ESD	ESB829P-ESD
Input Voltage		10.8V		
Torque Range	Nm	0.5–2.0	1.0–3.0	2.0–4.5
	in-lbs	4.4–18	8.8–27	17.7–40
Speed (rpm)		1200		700
Start Type		Push Start with Lever Reverse		
Weight (w/o battery)		0.72kg (1.6lbs)		
Size (L x H w/o battery)		290 x 62 mm (11.4-2.4 in)		
Applicable Battery		ESB-10VL3000		
Applicable Charging Station		ESB-CHG50N		
Applicable Bit Type		1/4" Hex		

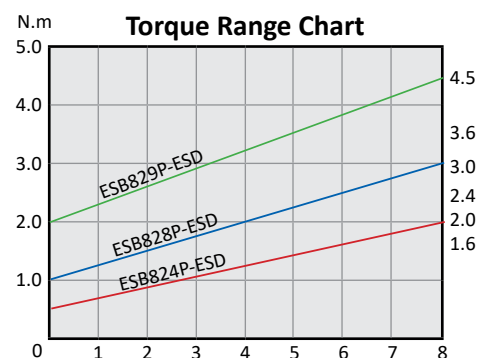


Compatible with
DR90-10104
Tool Balancer



LED indicators

Top	OK Clutch
Bottom	NG Clutch
	Low Battery



BSP8 PISTOL BRUSHLESS SCREWDRIVERS

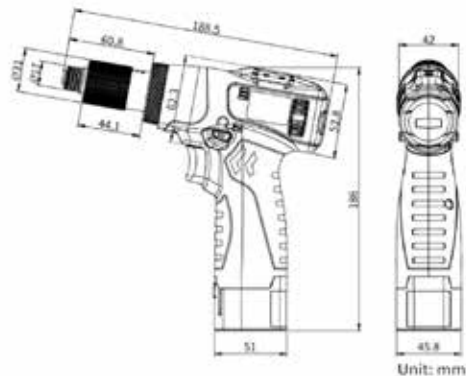
Torque Range:

0.5–4.5 Nm (4.4–40 in-lbs)

Features:

- Consistent torque output — Torque accuracy $\pm 3\%$ *
- Clean, brushless motor technology
- Dependable, long lifespan
- Two speed selections available
- Trigger start, forward/reverse switch
- LEDs and audible indicators alert user to proper clutch activation at shut-off, low battery, and current speed setting
- To conserve battery power, screwdriver enters sleep mode when idle for more than 3 seconds
- Charging station (purchased separately) provides quick recharge time (~45 minutes)
- Includes torque lock sleeve (DR80-20233M), belt clip, and 2 PH #2 driver bits

*Factory test values - actual torque results may vary depending on the specific application, operator input, and test equipment used.



Specifications						
Model			BSP824	BSP828	BSP829	BSP830
Input Voltage			10.8V			
Torque Range	Hard	Nm	0.5-2.0	0.8-3.0	1.5-4.5	2.0-6.0
	Joint	in-lbs	4.4-18	7.1-27	13-40	18-53
	Soft	Nm	0.5-1.6	0.8-2.4	1.5-3.6	2.0-4.8
	Joint	in-lbs	4.4-14	7.1-21	13-32	18-42
Speed (rpm) HI/LO			2700/1900	1400/1000	800/550	650/450
Start Type			Trigger			
Weight (w/o battery)			0.7kg (1.5lbs)			
Size (L x H w/o battery)			189 x 157 mm (7.4 x 6.2 in)			
Applicable Battery			ESB-10VL3000			
Applicable Charging Station			ESB-CHG50N			
Applicable Bit Type			1/4" Hex			

*ESD-safe housing available on all models— add suffix '-ESD'

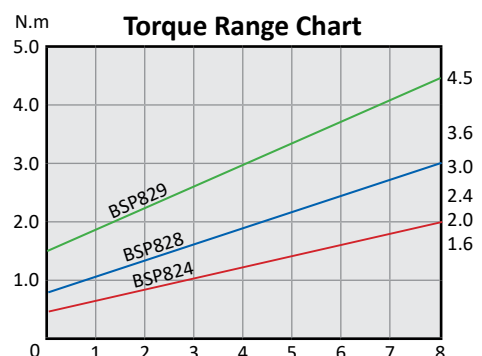


Compatible with
DR80-TH8-9
Tool Holster



LED indicators

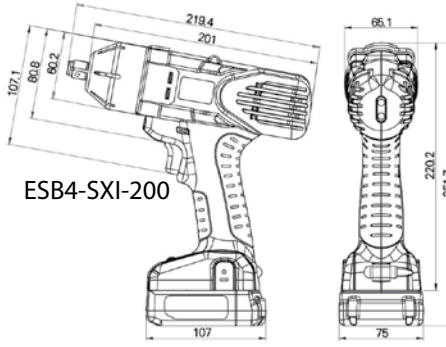
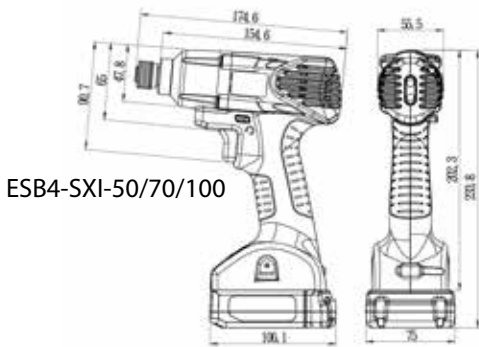
Bottom	OK Clutch
	NG Clutch
Top	Low Speed Mode
	Low Battery



INDUSTRIAL AUTO SHUT-OFF IMPACT DRIVER

Features

- With a maximum of 99 x 6 possible combinations the tool can be dialed in to your specific torque requirement.
- OK & NG indicators (Sound & Lights) provide instant feedback for cross threading and screw stripping errors
- Use up to 5 customizable program settings in sequence
- Programmable batch count function shows number of fasteners remaining in batch
- Programming is completed with DR-IRC1 remote control and has the capability to lock settings on the tool to avoid accidental or intentional tampering
- Reverse run (Counter-clockwise operation) function
- Ignore friction function helps to further increase repeatability when working with multiple joint types and material



Specifications

Model	ESB4-SXI-50	ESB4-SXI-70	ESB4-SXI-100	ESB4-SXI-200
Input Voltage	14.4V			
Speed (RPM)	0~1900	0~2600	0~2000	0~1700
BPM	0~2500	0~3400	0~2600	0~2100
Torque Range	5~50 Nm (3.7~36.9 ftlb)	20~70 Nm (14.7~51.6 ftlb)	20~100 Nm (14.7~73.7 ftlb)	25~200 Nm (18.4~147.5 ftlb)
Recommended Fastener Size (Class 12.9)	M6 / M8 / M10 / M12	M8 / M10 / M12 / M14	M10 / M12 / M14 / M16	M12 / M14 / M16 / M20
Torque Range Capability (Based on fastener size)	M6 - 3~20Nm (2.2~14.7 ftlb)	M8 - 8~30Nm (5.9~22.1 ftlb)	M10 - 8~40Nm (5.9~29.5 ftlb)	M12 - 15~110Nm (11.0~81.1 ftlb)
	M8 - 3~20Nm (2.2~14.7 ftlb)	M10 - 8~40Nm (5.9~29.5 ftlb)	M12 - 20~70Nm (14.7~51.6 ftlb)	M14 - 25~120Nm (18.4~88.5 ftlb)
	M10 - 5~30Nm (3.7~22.1 ftlb)	M12 - 20~60Nm (14.7~44.2 ftlb)	M14 - 20~90Nm (14.7~66.3 ftlb)	M16 - 25~140Nm (18.4~103.2 ftlb)
	M12 - 12~50Nm (8.8~36.9 ftlb)	M14 - 25~70Nm (18.4~51.6 ftlb)	M16 - 28~100Nm (20.6~73.7ftlb)	M20 - 25~200Nm (18.4~147.5 ftlb)
Drive Type	1/4" Hex		3/8" Square **Available in 1/2" Square Special Order**	1/2" Square
	3/8" Square *Add suffix "-SQ"			
Weight (Less Battery)	0.98 kg (2.1 lbs)	1.0 kg (2.2 lbs)		1.5 kg (3.3 lbs)
Dimensions (Less Battery)	174x202mm (6.8x7.8")			219x220mm (8.6x8.7")
Battery	ESB-14VL3000			
Charger	ESB-CHG70			
Optional Accessories	DR-IRC1			

LITHIUM ION BATTERIES & BATTERY CHARGERS

ESB-7VL3000 & ESB-10VL3000 Battery

Features:

- High-performance Li-ion technology
- Built-in protection prevents battery overcharge and over discharge, extending lifespan

Specifications		
Battery Model	ESB-7VL3000	ESB-10VL3000
Use with Tool Model	ESB823(F)	ESB8 Series, BSP8 Series
Voltage	7.2V	10.8V
Rating (mAh)	3000	3000
Dimensions (L x W x H)	51 x 44 x 70 mm 2 x 1.7 x 2.7 in	51 x 46 x 90 mm 2 x 1.8 x 3.5 in
Weight	119.3g / 0.3 lbs	194g / 0.4 lbs
Certification	CE, ETL	



ESB-CHG25 & ESB-CHG50N Charging Station

Features:

- Visual indicators show recharging status
- Audibly notifies user when battery is fully charged
- Full recharge ~40 minutes

Specifications		
Charger Model	ESB-CHG25	ESB-CHG50N
Charges Battery Model	ESB-7VL3000	ESB-10VL3000
Input	100-240V	90-240V
Output	8.4V, 3.0A	12.6V, 3.75A
Dimensions (L x W x H)	145 x 115 x 101 mm 5.7 x 4.5 x 3.9 in	145 x 115 x 93 mm 5.7 x 4.5 x 3.6 in
Weight	430g / 0.9 lbs	470g / 1.0 lbs
Certification	CE, ETL	



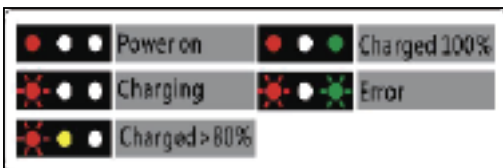
LITHIUM ION BATTERIES & BATTERY CHARGERS

Charge Stations: ESB-CHG120, ESB-CHG80, ESB-CHG80/1950

Rechargeable Batteries: ESB-18VL1950, ESB-18VL3000B, ESB-18VL3900



Display Description



Lithium-Ion Batteries

High performance lithium-ion batteries allow the ESB6 Series Screwdrivers to perform a high quantity of fastening cycles between charges. In some instances, two battery sizes are available - a standard (1950 mAh) battery and an extended life (3900 mAh) battery.

Li-Ion Battery Model Number	Rating (mAh)	Use with tool models	Dim (mm)(in) L x W x H	Weight (g)(lbs)
ESB-14VL3000	3000	Refer to Screwdriver Model Chart	107 x 75 x 43(mm) 4.2 x 2.9 x 1.7(in)	320g/0.7lbs
ESB-18VL3000B/C	3000		92 x 75 x 70(mm) 3.6 x 3.0 x 2.4(in)	430g/1lbs
ESB-18VL1950	1950		119 x 90 x 40(mm) 4.7 x 3.5 x 1.6(in)	430g/1lbs
ESB-18VL3900	3900		119 x 90 x 59(mm) 4.7 x 3.5 x 1.6(in)	720g/1.6 lbs

Battery Chargers

The ESB-CHG Battery Chargers quickly recharge the cordless screwdriver's batteries so that they are ready when needed. The charger is capable of bringing a standard battery to an 80% charge level in about 25 minutes.

Features include:

- Battery identification to help protect against charging the wrong brand/type of battery.
- Over-temperature protection, output over-voltage protection.
- Audible and visual indication when battery reaches full charge.
- ETL / CE Compliant.

Indicator lights provide visual indication of:

- Power On
- Battery Charging
- Charge exceeds 80%
- Fully Charged
- Charging Error



Approximate Battery Charge Times

Battery Model/ Capacity	ESB-CHG120	ESB-CHG70	ESB-CHG80	ESB-CHG80/1950B
ESB-14VL3000 (2500mA/hr)	-	40 min	-	-
ESB-18VL1950 (1950mA/hr)	40 min.	-	40 min.	-
ESB-18VL3900 (3900mA/hr)	60 min.	-	80 min.	-
ESB-18VL3000B/C (3000mA/hr)	-	-	-	40 min.

Battery Charger	Input	Output	Use to charge battery model	Dim (mm)(in) L x W x H	Weight (g)(lbs)
ESB-CHG80/1950B (1820B only)	90-240 VAC 50/60 Hz	21VDC, 3.2A	ESB-18VL3000B	145 x 115 x 75(mm) 5.7 x 4.5 x 2.9(in)	460g/1.0lbs
ESB-CHG70 (standard charger)		16.8V, 3.2A	ESB-14VL3000	107 x 75 x 43(mm) 4.2 x 2.9 x 1.7(in)	530g/1.2lbs
ESB-CHG80 (standard charger)		21VDC, 3.2A	ESB-18VL1950/ESB-18VL3900	115 x 145 x 80(mm) 4.5 x 5.7 x 3.1(in)	530/1.2lbs
ESB-CHG120** (premium charger)		21VDC, 3.0-4.5A	ESB-18VL1950/ESB-18VL3900	170 x 160 x 80(mm) 6.7 x 6.3 x 3.1(in)	1068/2.4lbs

**Premium Charger Model ESB-CHG120 has a built-in cooling fan and an LCD display which shows Charge Time, Cell Temperature, Battery Voltage, Recharge Status and Battery ID verification.

Contact Us:

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