

# LITHIUM ION BATTERIES & BATTERY CHARGERS

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

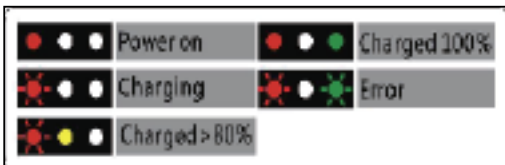
**Rechargeable Batteries: ESB-18VL1950, ESB-18VL1950B, ESB-18VL3900**



## 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.

### Display Description



18V Li-Ion Battery Model Number	Rating (mAh)	Use with tool models	Dim (mm)(in) L x W x H	Weight (g)(lbs)
ESB-18VL1950B	2000	Refer to Screwdriver Model Chart	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.



### Approximate Battery Charge Times

Battery Model/Capacity	ESB-CHG120	ESB-CHG80	ESB-CHG80/1950B
ESB-18VL1950 (1950mAh/hr)	40 min.	40 min.	-
ESB-18VL3900 (3900mAh/hr)	60 min.	80 min.	-
ESB-18VL1950B/C (2000mAh/hr)	-	-	40 min.

### Indicator lights provide visual indication of:

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

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-18VL1950B	115 x 145 x 80(mm) 4.5 x 5.7 x 3.1(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)	530g/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)	1068g/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.