

**DETAILED TECHNICAL SPECIFICATIONS - MANDATORY EQUIPMENT FOR
EV BATTERY LAB**

1. SPOT WELDING MACHINE - Qty: 1

- Model: SP2 Table Top Type
- Power: 3.2 KW
- Output Current: 8000A Max
- Welding Mode: Double Pen Hand Gun + Foot Pedal
- Control: Digital Timer, Heat Control, Pulse Welding
- Application: 18650, 21700, Prismatic Cell Welding
- Input: 220V AC Single Phase

2. CHARGE DISCHARGE TESTER - Qty: 1

- Model: DK-Tester DSF20
- Voltage Range: 9V to 99V
- Charge Current: 0-10A Adjustable
- Discharge Current: 0-20A Adjustable
- Features: Auto Cycle Charge/Discharge, Data Recording, PC Software, Capacity Test
- Battery Type: NMC, LiFePO₄, LTO, Lead Acid
- Display: 7 Inch Color LCD

3. ACTIVE BALANCER - Qty: 2

- Model: NEEY 8S to 24S 4A Active Balancer
- Working Voltage: 8S, 10S, 12S, 13S, 14S, 16S, 17S, 20S, 21S, 24S
- Balance Current: 4A Max
- Type: Active + Passive Balance
- Features: Bluetooth APP Monitoring, Over-voltage Protection, Low Power Consumption
- Note: 6A model market is rare. 4A industry standard and reliable_

4. IR TESTER - Qty: 1

- Model: RC3563 Battery Internal Resistance Tester
- Voltage Test Range: 0V to 100V DC
- Resistance Range: 0mΩ to 20Ω / 0mΩ to 200mΩ
- Accuracy: ±0.5%
- Test Method: 4-Wire Kelvin Test

- Features: USB Charging, Data Hold, Auto Power Off

5. AUTOMOBILE SERVICE TOOL KIT - Qty: 2

- Contents: Complete Mechanic Tool Set
- Includes: Combination Spanner Set 8-24mm, Socket Set 1/2", Screwdriver Set, Pliers Set, Wire Cutter, Crimping Tool, Allen Key Set
- Material: Chrome Vanadium Steel
- Case: Heavy Duty Plastic Toolbox

6. PPE KIT FULL SET - Qty: 7

- Contents: Industrial Safety Kit
- Includes Welding Gloves, Safety Goggles, Face Shield, Cotton Apron, Ear Plugs, Nose Mask N95, Safety Shoe Covers
- Standard: ISI Certified

7. FIRST AID KIT FULL SET - Qty: 8

- Contents: Industrial First Aid Box
- Includes: Bandages, Gauze, Cotton, Antiseptic Liquid, Betadine, Pain Relief Spray, Scissors, Tweezers, ORS Packets
- Box: Wall Mountable Plastic Box

8. ANDERSON CONNECTOR SMALL - Qty: 10

- Model: Anderson SB50
- Current Rating: 50A
- Voltage: Up to 600V DC
- Color: Red + Black Pair
- Application: Battery Pack Output Connector

9. 3 PIN CONNECTOR MALE & FEMALE - Qty: 6

- Type: 3-Pin Power Plug + Socket
- Current Rating: 16A
- Voltage: 250V AC
- Application: Charger Input Power Connection

10. HOT AIR BLOWER - Qty: 1

- Model: 1500W Electronic Heat Gun
- Power: 1500W
- Temperature: 50°C to 600°C
- Air Flow: 2 Speed Control
- Application: Heat Shrink Sleeve, Soldering, Paint Removal

11. WIRING SLEEVE MEDIUM - Qty: 6 Meter

- Type: PVC Flexible Conduit Pipe
- Size: 10mm Diameter Medium
- Color: Black
- Feature: Fire Retardant, Abrasion Resistance