

DAS 623 ULTIMATE EV

New energy vehicle battery pack tester

New energy intelligent detection battery pack diagnostic expert

Battery pack intelligent detection equipment covering more than 95% of mainstream new energy vehicle brands.

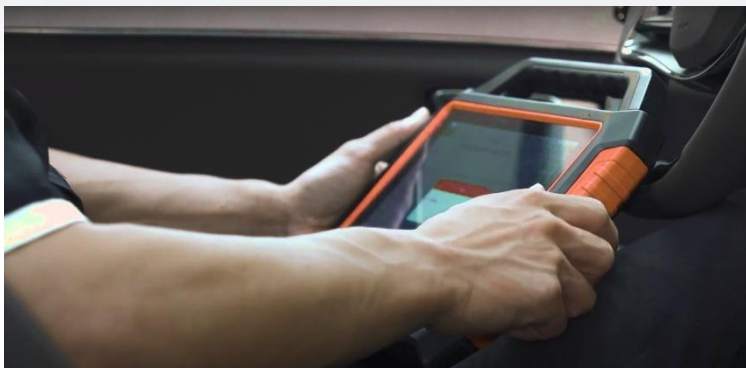
Features

- Battery Pack Diagnostics
- Comprehensive testing
- diagnostic feedback
- software upgrade
- special function



Specifications

Host		VCI	
Display Size	10.1inches(1920x1200)	Voltage	DC9~36V
CPU	2.0GHz Octa-core	CPU	DC9~36V
Memory	4 GB	Memory	Cortex-A7 + Cortex-M7
Storage	64 GB	Storage	256 MB
System	Android11	System	8 GB
Wi-Fi	2.4GHz/5GHz	Wi-Fi	Linux
Camera Front	800MP、Post 1300MP	Communication	2.4GHz/5GHz
Battery	3.8V/9360mAH	Interface	Wi-Fi, BT, USB
Interface	Type A, Type C	Product size	USB Type B, OBD II -16, DC-IN
Communication	Wi-Fi, BT, USB		
Product size	318x40.5x246.5mm		



DAS

New energy vehicle Integrated Detector

Original level detection of battery pack. All vehicle Series whole system detection. Moreover it has a special connector for battery pack detection. And also it integrate four kinds of detection tools.



Features

- Battery pack "special inspection level" detection
- Full system inspection of the whole car series
- Integrates four detection tools
- Four battery pack detection methods

Specifications

Host		VCI	
Display Size	10.1 inches(1920x1200)	Voltage	DC9~36V
CPU	2.0GHz Octa-core	CPU	Cortex-A7 + Cortex-M7
Memory	8 GB	Memory	256 MB
Storage	256 GB	Storage	8 GB
System	Android10	System	Linux
Wi-Fi	2.4GHz/5GHz	Wi-Fi	2.4GHz/5GHz
Camera Front	13.0 MP	Communication	Wi-Fi, BT, USB
Battery	3.7V/18720mAH	Interface	USB Type B, OBD II -16, DC-IN
Interface	Type A, Type C	Product size	197x40x83mm
Communication	Wi-Fi, BT, USB		
Product size	440x120x298mm		

Battery Pack Airtightness Detector (Low Pressure)

High Reliability

It has ultrahigh precision and stable voltage regulation and intelligent operation also.



Features

- High Sensitivity
- Process Visualization
- Double Display of Pressure Value
- Parameter Management
- Parameter Setting
- Intelligent Alarm

Specifications

Specification	Parameters
Electrical requirements	AC220V
Test Pressure Range	0~30Kpa
Sensor Resolution	1Pa
Test accuracy	±5pa
Communication interface	RS-232 / USB
Power	20W(MAX)
Air Source Requirements	0.1~1.0 Mpa Dry Compressed air
Air Inlet Interface/Test Interface	φ6 mm air pipe
Working Temperature	-10°~55°C
Working Humidity	Wi-Fi, BT, USB

Battery Pack Cell Equalizer

New intelligent cell testing equalization

Independent channel design, which can detect the module cells and charge or discharge evenly. When charging or discharging, ensure that each cell in the module is not overcharged or over-discharged.

Features

- Charge And Discharge Equalization
- Equilibrium Maintenance Preset
- Voltage Clamp
- Multiple Protection
- 7-inch Display Screen



Specifications

Specification	Parameters
Power input	Single-phase AC90-264V
Rating range	40~60Hz
Charge and discharge voltage range	1.8~4.2V
Voltage detection accuracy	$\pm 0.1\%FS \pm 2mV$ (maximum range 5V)
Charge and discharge current range	0.1~5A MAX
Current detection accuracy	$\pm 1\% FS \pm 0.05A$ (maximum range 5A)
Battery temperature detection accuracy	$\pm 2^{\circ}C$ ($-25^{\circ}C \sim 85^{\circ}C$)
Number of channels	2x12
Charge and discharge power	Max 600W
Battery interface	16Pin, 24Pin
Display	7-inch TFT LCD screen, resolution 800x480
PC data communication	TCP/IP, USB-Device
Wireless communication	WiFi and BT (external WiFi antenna)
Charge control	Constant current charging + constant voltage charging
Discharge mode	Constant current discharging + constant voltage discharging
Protection function	Input over-current protection, over-voltage protection, output over-current protection, over-temperature protection

Battery Pack Module Charging and Discharging Integrated Machine

Reverse polarity, too high temperature, short overcurrent, fan failure, too high voltage, too large current will be alarmed.

It can collect the highest/lowest voltage, temperature and other data of a single string battery. The collected data are displayed on the screen in the form of column chart, report form and curve, which can be zoom in/out locally for easy viewing.

Features

- Multi-Purpose
- Multiple Discharge Modes
- Efficient Charging Mode
- Battery Pack Activation
- Information collection
- Protection alarm



Specifications

Specification	Parameters
Working power supply	Single-phase three-wire AC220V
frequency range	40~60Hz
Display	7-inch TFT LCD screen, resolution 800×480
Data communication	CANRs485
Group terminal voltage accuracy	$\leq \pm 0.5\%FS + 0.3V$, resolution : 0.1V
Single voltage accuracy	$\leq \pm 0.1\%FS + 5mV$, resolution : 0.001V
Test current accuracy	$\leq \pm 1\%FS + 0.2A$, resolution : 0.1A
Charge and discharge voltage range	DC2~260V
Charge current range	Maximum current 100A, maximum power 4.4kW
Discharge current range	Max current : 150A / max power : 7.2kW
Charge control	Constant current charging + constant voltage charging
Discharge mode	Constant current discharge
Charge、discharge protection	Overchargeandover-dischargeprotection,over-hightemperatureprotection
Host protection	Over-temperature,over-currentandout-ofcontrolcurrenttriggersshutdownprotection
Reverse polarity protection	Supported
Abnormal protection	Power cord power failure, main cable power failure
Over-temperature protection	Theresistanceboxover-temperatureis85°C;Radiatorovertemperatureis100°C

Adjustable Digital Power Supply

It is an intelligent digital power supply for the maintenance of new energy vehicles and fuel vehicles. It adopts high and low voltage modular isolation design and has the characteristics of high and low voltage dual output, Bluetooth wireless control, and multi-scenario applications, is a safe, stable and intelligent digital power supply product.

Features

- Applicable To New Energy & Fuel Vehicles
- High & Low Voltage Dual Module
- High Voltage Self Inspection Protection
- Bluetooth Wireless Connection



Use Scenarios



ECU



Air Conditioning Compressor



DC-DC Module



Power Steering Pump

Specifications

Parameters					
Power	AC100-240V@16A		High Voltage	Voltage	250~750V
MP	3200W Max			Current	0-5A
Comm	BT (BLE 4.2)		Low Voltage	Voltage	12V/24V
Display Mode	Display	LED Digital Tube		Current	1A
	LV Output	12/24V	Protection	Short Circuit, Current Limiting, Over Voltage, Under Voltage, Over Temp	
	HV Output	250~750V	Working Temp	-10~65°C	
Front Panel	High Voltage		Voltage SWK, Current SWK, Switch Button		
	Low Voltage		12V SWK, 24V SWK, Switch Button		
Size	315x192x186mm		Weight	4.85Kg	

ELECTRICAL HYBRID BATTERY LIFT

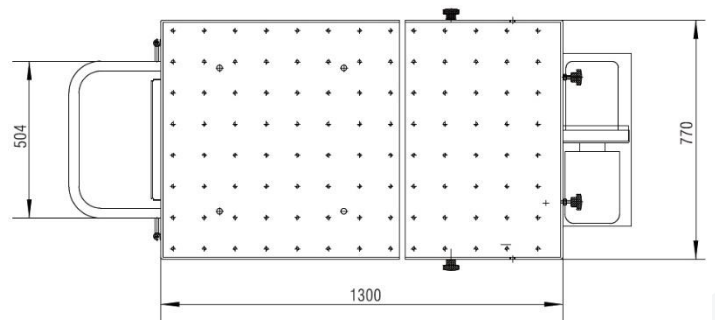
LJS3210

DaTo Electrical Hybrid Battery Lift – LJS3210 is designed with high quality steel, sand blasted - heat treated and powder coated robust structure to deliver the best durability and reliable service to our valuable customers. It is an ideal for lifting electric vehicle battery.



Specifications

Specification	Parameters
Lifting Capacity	1200k
Rest Height	570mm
Lifting Height	1920mm
Platform Width	770mm
Platform Length	1300mm
Ground Clearance	140mm
Motor Performance	0.75kw
Electrical Connections	220V
X Axel Direction Movement	50mm
Y Axel Direction Movement	50mm
Platform Tilting X Axel	370k
Platform Tilting Y Axel	60sec
Dead Weight	40sec
Lifting Time With Load	20-60sec
Lowering Time With Load	1200k
Lowering Time	570mm



AC SERVICE STATION

ACMAS702

DaTo ACMAS702 is an entry model, suitable for new A/C practitioners, or for areas where price is sensitive. The unique design has facilitated quick load cell unlock, easy and economic maintenance, self-troubleshooting and convenient USB upgrade etc.

Features

- Recovery
- Vacuum
- Charge
- Tank fill

Specifications

Automatic mode.

Specification	Parameters
Input Power	AC220V±10%~50/60Hz, AC110V±10%~60Hz
Compressor power	3/8Hp
Recovery rate	96%
Vacuum pump capacity	120L/min, non-sparkle
Vacuum leak test	1-60min
Accuracy of gas cylinder load cell	±10g
Max Pressure	20bar
Charge Speed	2Kg/Min(max)
LCD display	7-inch, touch screen
High pressure gauge range	-1bar~40bar
Low pressure gauge range	-1bar~22bar
Dual gas cylinder capacity	10Kg
Average gas refrigerant recovery speed	0.25Kg/min
Dimension	610x595x1075mm ³



TOOLS TROLLEY TTL7C116 - 116 TOOLS

The DaTo Tools trolley is the uniquely designed with ease /handy and manufactured with high quality and precision for accurate and professional tools. A fifth wheel is added for added stability of the trolley with multiple trays opened. The trolley comes with theft protection locks and high rigidity ABS top for strength and durability.



Features

- Chrome Vanadium Tools, High Finishing, Durable and Heavy Duty tools
- The most widest and appropriate selection of Tools
- Cabinet: Fifth wheel support prevents top over
- ABS Hood panel Smooth finish and rounded edges.
- Individual Locks for Drawers, and Master Key
- Contains a carefully selected assortment of hand tools needed for most industrial, mechanical, and consumer applications.
- Set includes 116 piece, covering most of your need.
- Theft protection locks and high rigidity ABS top for strength and durability.
- Tools trolley set has a new & sturdier blow mold case as well as new and well-improved DaTo screwdrivers.

116 Tools



Compliance with the IEC 60900: 2018 standard guarantees the user to work in safety with voltages up to 1000 V AC and 1500 V DC



Fully insulated: Non electric continuity between the 1/4" Male hexagon and the 3/8" square drive.



- Fully insulated in composite materials.



Measures DC and AC voltages, current continuous and alternating, resistance, inductance, temperature and to test the diodes and the continuity (buzzer).



- Non-slip and ergonomic handle.
- High end chrome vanadium steel.

PPE - CPE

KEY ADVANTAGES IN RISK PREVENTION

DaTo PPE (Personal Protective Equipment) are defined as any equipment designed and manufactured to be worn or held by a person for protection against one or more risks to that person's health or safety.

DaTo CPE: Collective protective

Collective protective equipment for preventing from electrical hazards.

Comprises the products that close off the hazard means of:

- Distance (marking, signs),
- Obstacles (covers, screen, barrier),
- Insulation (insulating blankets, insulating caps, etc.).

DaTo CPE must comply with the current standards.

DaTo PPE check

- Every PPE must be verified at least visually before and after every use.
- Periodic tests must be made by qualified persons and at least annually.
- If the slightest doubt exists the equipment must be discarded and replaced by a new one.

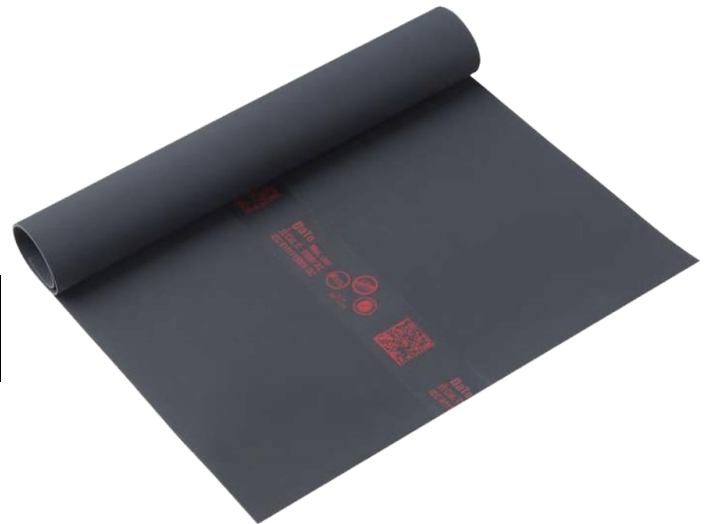


DaTo INSULATING

The insulating mats provide operators with individual and collective protection. Made of elastomer, they are used to cover the ground for the electrical protection of operators during work or interventions on electrical installations.

In accordance with IEC 61111: 2009 (Live working tools – insulating mats category C: Resistant to very low temperature -40°C).

Class	Voltage (AC)	Voltage (DC)
0	≤1000V	≤1500V



Storage/Transport

Insulated mats should be properly stored to avoid the risk of damage to the insulating material. Do not bend insulating mats. Do not store or use close to excessive heat. Do not expose to direct sunlight for long period. Storage temperature: 10°C to 21°C.

Before use

Visually inspected by the user. If the insulating mats is dirty, wash it with soap and water. Dry it with respect of operating temperatures.

In use

Operating temperatures: -40°C to 55°C. Avoid contact with chemical products. Place the mat on a clean, smooth floor, devoid of aggressive elements for insulation. Position the feet: The operators feet must be in the center of the insulating mat.

Periodic inspection

Insulating mats should not be used without having been electrically tested within the previous twelve months preceding with the exception of class 0. Only visual inspection is required for class 0.

DaTo ARC FLASH HELMETS

The unique all integrated helmet with Arc Flash face shield on the market. Patented by DaTo.

- Mechanical & Electrical Protection helmet EN 397 EN 50365 - 1 000 V / ANSI Z 89.1 - 20 kV.
- IEC 61482-1-1 / IEC 61482-1-2 arc protection. EN166 and EN170 protection.
- Flexible and compact fabric protection Arc Flash.
- Optimal color recognition and visibility (DFH -180-ARC-4). Retractable screen and neck protection.



Reference	Color	Weight
DFH-180-ARC-4	Face shield 4 cal/cm ² APC 2 Light transmission > 75%	0.79
DFH -180-ARC-12	Face shield 12 cal/cm ² APC 2 Light transmission > 60%	0.79
DFH -180-ARC4 VISOR	Face shield 4 cal/cm ²	
DFH -180-ARC12 VISOR	Face shield 12 cal/cm ²	

DaTo INSULATING GLOVES FOR ARC FLASH

Insulating gloves with higher mechanical properties for working in full safety without leather over gloves. Protection against thermal hazards from an electrical arc. Length 36 cm, cut edge.

- Safety first by providing best in class insulating gloves (class 4) with best thermal (40 cal/cm²) protection. Electrical and mechanical protection certified according to IEC 60903 Electrical insulating gloves. Thermal protection certified according to IEC 61482-2 against the thermal hazards of an electric arc: IEC 61482-1-2: APC Class 2 & ASTM F2675 (identical test to IEC 61482-1-1) 40 cal/cm².
- Comfort of use: Softness and dexterity enabling to easily handle your electronic equipments and tools.
- Traceability: QR code included facilitating the fleet management with the employee user, compliance with re test date reducing risk of accidents.



Reference	Class	Voltage (AC)	Voltage (DC)	Category	Length (mm)	Color	APTV (cal/cm ²)
DIG-1-(*) DIG-4-(*)- ARC-40	4	≤ 36000 V	≤54000	RC	410	Bi-colour: Orange outside. Natural inside.	12

DaTo SAFETY SHOES WITH INSULATING SOLE FOR INDOOR

Shoes with polyurethane rod and antibacterial lining, ventilated 3D mesh neighborhoods. Anti-penetration textile sole. Protection cap 200 J. Skid resistance: SRC.

- Each shoes is tested at 5 kV. Anti-penetration.
- Tested to 5 kV according to EN 50321, to 14 kV according to ASTM F2412, to 18 kV according to ASTM F2413.



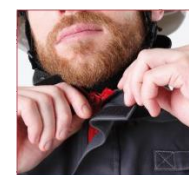
Reference	Type	Size	Class	Use
DSSEV-227-*	High	40 to 47	0: 1000 V AC	Industry, Logistics and transport, services and communities.

ARC FLASH AND MULTI-RISK PROTECTIVE CLOTHING

DaTo ARC clothing: Developed and tested in accordance with current standards, the range offer a multi risk protection (arc flash, heat and flame, welding, anti-static). Fabric: 80% flame retardant treated cotton, 19% polyester, 1% anti-statique fiber - 300 g/m².

DaTo ARC kits for arc flash protection: Complete ready-to-use kits provide a comprehensive protection against the thermal effects of an arc flash.

- **EVERYDAY COMFORT:** Selected fabric and designed to ensure that operators are able to wear the garments for a full working day.



Reference	Description	Sizes
DPC-2000-*	Jacket	XS to 5XL
DPC-2001-*	Trousers	XS to 5XL
DPC-1001-*	Coverall	XS to 5XL

LIFE SAVING KITS

Compact carrying KIT

DaTo compact kit is designed especially to be carried in a vehicle for safety electrical intervention. Made of two parts of molded material (PEHD), the red case cover is also an insulating platform.



Features

- Insulated cutter cable.
- Adhesive tape (black and yellow). L = 100 m.
- Telescopic insulating stick. L = 1.5 m.
- Talcum powder can.
- Pair of insulating boots.
- Voltage detector with auto-test. Rescue hook. (127 V - 90 kV alternative)
- Pair of insulating gloves with reinforced carrying bag.
- Safety instructions and safety first aid posters.
- Insulating platform.

Benefits

- Stability of the suitcase when stored vertically or horizontally.

Specifications

Reference	Characteristics	Icc (kV)	Dimension(mm)	Weight
DLSK-53-R	With instructions in English	25 kV	710 x 570 x 240	21
DLSK-53-MR	With instructions in English/Arabic	25 kV	710 x 570 x 240	21
DLSK-53-R/2	With instructions in English	36 kV		
DLSK-53-MR/2	With instructions in English/Arabic	36 kV		

Life Saving Kits for M.V. substations

Complete equipment allowing intervention on victims in case of an electrical hazard. Delivered in a plastic box with transparent cover for immediate visualization of contents and wall mounting kit.

Composition

- Insulated cable cutter. Forged steel blades. Maximum opening 30 mm.
- Insulating platform 24 or 36 kV.
- Rescue telescopic stick.
- Voltage detector with flexible antenna contact (with auto-test).
- Safety instructions on the plastic board.
- High voltage insulating gloves, talcum powder can.
- Insulating boots.



Benefits

- Emergency supplies at your fingertips.
- Protection against dust and shock.

In case of an electrical accident, quick action is essential: by saving seconds, you get more chance to save life. Our life saving equipment is designed to make all necessary equipment immediately available to rescue people.

Specifications

Reference	Characteristics	Icc (kV)	Dimension(mm)	Weight
DLSK-54	English instructions	24 kV	840 x 754 x 270	21
DLSK-54-FM	English/Arabic instructions	24 kV	840 x 754 x 270	21
DLSK-55	English instructions	36 kV	840 x 754 x 270	21
DLSK-55-FM	English/Arabic instructions	36 kV	840 x 754 x 270	21