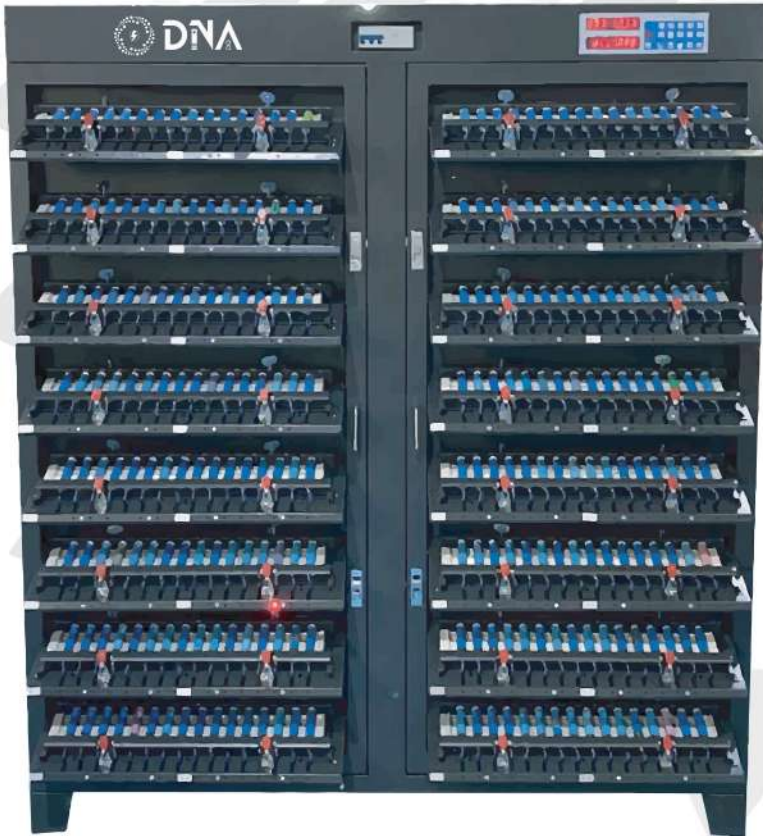# CELL GRADING / CAPACITY / CYCLER MACHINE

Cylindrical Cells

5V 3A 512 Channels

*Production Equipment
(For Incoming Cylindrical Cells
Quality Check)*

*With universal horizontal loading
unloading trays - for Cylindrical
Cells*

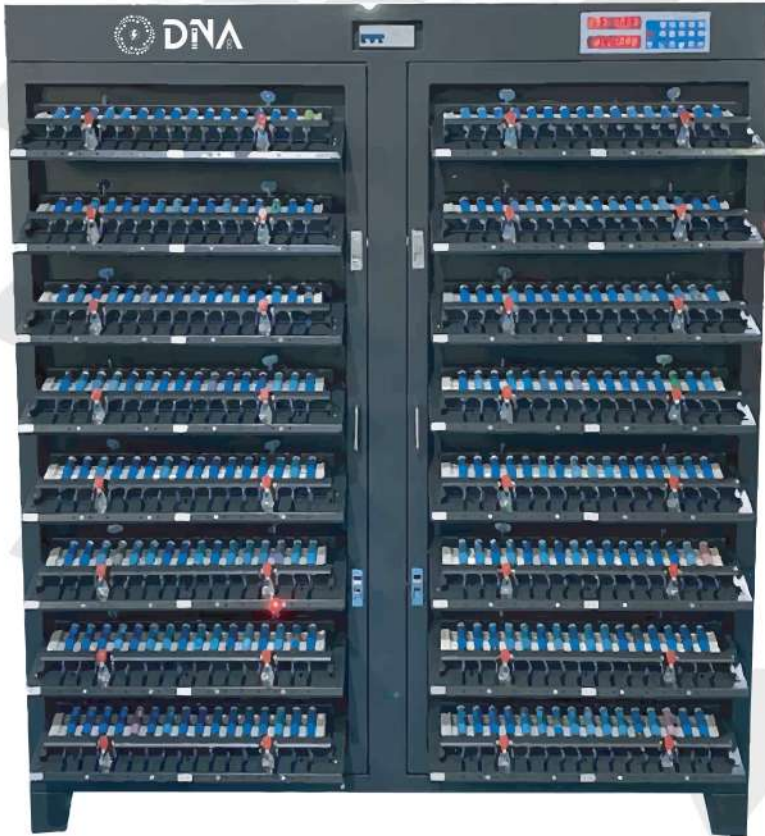|	
Channel quantity	Upto 512 channels
Communication method	RS232, CP/IP protocol
Input power	Three phase four wire system AC380v+- 3%, 50Hz
Max. output power	≤ 14KW
Continuous cycle range	1-1999 times
Sleep time setting range	1-720 minutes
Time measurement resolution	1S
Heat dissipation mode	Cold wind

Current range	50MA-6A:(R) 1MA
Messaurement accuracy	0.1 %FS+0.1 %RD
Communication mode	RS485 baud rate 57,600
Process set	A maxixmum of 32 work steps and 256 cycles are set
Charging mode	Constant current, Constant pressure
Charging cut-off condition	Voltage, current, time & capacity
Defensive function	Overvoltage, undervoltage, overcurrent, undercurrent & overcapacity etc.

Model No.:	DNA-LIB503-512H
Battery type: Cyclinder cell	18650/21700/26650/32700/32138/33140/34189
Fixture center distance	34MM
Support battery height	Adjustable in the range of 65-180mm
Working power	Three-phase five-wire system AC380V-+ 10%, 50HZ
Voltage measuring range	0-5V, 1MV resolution
battery voltage range	Punch 0-4.5v: Discharge 4.5-2v
Constant voltage range	2.5v-4.5v

Time range	Set it anywhere from 0 to 30,000 minutes
Time accuracy	<=1%
Sampling inpection period	<8S
Minimum frequency of data recording	<8S
Battery sorting	By capacity, time, discharge platform etc.
Data processing	Data, graphs and loop diagrams

CELL GRADING / CAPACITY / CYCLER MACHINE

Cylindrical Cells

5V 6A 512 Channels

Production Equipment
(For Incoming Cylindrical Cells
Quality Check)

With universal horizontal loading
unloading trays - for Cylindrical
Cells

Channel quantity	Upto 512 channels
Communication method	RS232, CP/IP protocol
Input power	Three phase four wire system AC380v+- 3%, 50Hz
Max. output power	≤ 27KW
Continuous cycle range	1-1999 times
Sleep time setting range	1-720 minutes
Time measurement resolution	1S
Heat dissipation mode	Cold wind

Current range	50MA-6A:(R) 1MA
Messaurement accuracy	0.1 %FS+0.1 %RD
Communication mode	RS485 baud rate 57,600
Process set	A maxixmum of 32 work steps and 256 cycles are set
Charging mode	Constant current, Constant pressure
Charging cut-off condition	Voltage, current, time & capacity
Defensive function	Overvoltage, undervoltage, overcurrent, undercurrent & overcapacity etc.

Model No.:	DNA-LIB503-512H
Battery type: Cyclinder cell	18650/21700/26650/32700/32138/33140/34189
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battery voltage range	Punch 0-4.5v: Discharge 4.5-2v
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Time range	Set it anywhere from 0 to 30,000 minutes
Time accuracy	<=1%
Sampling inpection period	<8S
Minimum frequency of data recording	<8S
Battery sorting	By capacity, time, discharge platform etc.
Data processing	Data, graphs and loop diagrams

CELL GRADING / CAPACITY / CYCLER ENERGY SAVING MACHINE

Cylindrical Cells

Channel quantity	Upto 256 channels
Communication method	RS232, CP/IP protocol
Input power	Three phase four wire system AC380v+- 3%, 50Hz
Max. Output power	≤ 23 KW
Continuous cycle range	1-1999 times
Sleep time setting range	1-720 minutes
Time measurement resolution	1S
Heat dissipation mode	Cold wind

Current range	50MA-10A:(R) 1MA
Messaurement accuracy	0.5 %FS+0.5 %RD
Communication mode	RS485 baud rate 57,600
Process set	A maximum of 32 work steps and 256 cycles are set
Charging mode	Constant current, Constant pressure
Charging cut-off condition	Voltage, current, time & capacity
Defensive function	Overvoltage, undervoltage, overcurrent, undercurrent & overcapacity etc.

5V 10A 256 Channels

Production Equipment (For Incoming Cylindrical Cells Quality Check)

With universal horizontal loading unloading trays - for Cylindrical Cells

Model No.:	DNA-LIB503-512H
Battery type: Cyclinder cell	18650/21700/26650/32700/32138/33140/34189
Fixture center distance	34MM
Support battery height	Adjustable in the range of 65-180mm
Working power	Three-phase five-wire system AC380V-+ 10%, 50HZ
Voltage measuring range	0-5V, 1MV resolution
battery voltage range	Punch 0-4.5v: Discharge 4.5-2v
Constant voltage range	2.5v-4.5v

Single point independent, independent constant current and constant voltage source, stable without impact. Function such as start, stop, pause, resume and protection can be realized.

Time range	Set it anywhere from 0 to 30,000 minutes
Time accuracy	<=1%
Sampling inpection period	<8S
Minimum frequency of data recording	<8S
Battery sorting	By capacity, time, discharge platform etc.
Data processing	Data, graphs and loop diagrams

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CELL GRADING / CAPACITY / CYCLER MACHINE

Cylindrical Cells

5V / 6A, 10A, 12A, 20A (8 Independent Channels

Laboratory & R&D Equipment
(For incoming Cylindrical Cells Quality Check)

APPLICATIONS: Cylindrical Cells & (Upto 34189)
Pouch Cells.

Channel quantity	8 Independent channels
Communication method	RS232, TCP/IP protocol
Input power	Single Phase AC220v+- 3%, 50Hz
Max. output power	220 W
Continuous cycle range	1-1999 times
Sleep time setting range	1-720 minutes
Time measurement resolution	1S
Heat dissipation mode	Cold wind

CELL GRADING / CAPACITY / CYCLER ENERGY SAVING MACHINE

Prismatic Cells
Pouch Cells (Can be customized)

Device Parameters - (5V / 100A)

CURRENT

Measurement Range	0.001A - upto 100A
Measurement Accuracy	0.02%FS + 0.1%RD
Resolution	0.1mA

VOLTAGE

Measurement Range	0.01V-5V
Measurement Accuracy	0.02%FS + 0.1%RD
Rsolution	0.1mV

Channel Quanity		40 Channel
Communication Method		LAN
Input Power		Three Phase Four Wire System: AC380±10%, 50Hz
Response Time / Sampling		< 10ms
Heat Dissipation Mode		Cold Wind
Channel working mode		Completely Independent
Humidity		≤ 85%R.H (non condensing
Auxiliary voltage (Optional)	Range	DC: 0-5V
	Accuarcy	±0.05%FS
	Resolution	1mV
Auxiliary temperature (Optional)	Range	-20℃ ~ 100℃
	Accuarcy	±1℃ (0℃~80℃)
	Resolution	0.1℃
Data Export		Data can be exported as EXCEL, TXT or diagram. Provide charge discharge efficiency, charged discharge curve, voltage, capacity, current-time charcteristic curves, etc.
Curves Type		X-coordinate: total time, charge dischagre capacity, cycle time, voltage, current capacity.
		Y-coordinate: total voltage, current, capacity, power, cell temperature (Optional), end of charge and discharge capacity, etc.
Barcode Scan		Support barcode start and binding test data, classify batteries rapidly and accurately.

Icons

- Pulse Test
- Voltage Testing
- Charge Retension
- Work Condition Simulation
- Current Rate Test
- Pulse Test
- Temperature Feature Test
- DCIR — DCIR Test
- Charge-Discharge Performance Test
- Cycle Life Test
- SOC — Static / Dyanmic SOC Test

Special Function
- Energy Feedback / Regenerative Type
- Support Multi-Channel Curve Comparsion
- Support Multi-Channel Parallel Connection