



## UBA Battery Analyzers – Advanced Battery Testing Solutions

### Which UBA Analyzer is Right for You?

#### **UBA5 – Compact & Versatile**

- ✓ Ideal for low to medium voltage batteries (0-24V).
- ✓ Supports multiple battery chemistries, including Li-Ion, NiMH, Lead-Acid, and more.
- ✓ Programmable charge/discharge cycles for accurate battery profiling.
- ✓ Perfect for R&D, quality control, and routine battery testing.



#### **UBA6 – High-Voltage, High-Power Performance**

- ✓ Designed for high-voltage and high-capacity battery packs (up to 70V).
- ✓ Advanced multi-cell testing – up to 46 NiMH cells, 18 LiFePO4 cells, or 28 lead-acid cells.
- ✓ High-power charging & discharging – up to 5A per channel.
- ✓ Ideal for industrial applications, aerospace, and high-energy storage systems.



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## UBA5 VS UBA6

### Battery Compatibility

Feature	UBA5	UBA6
<b>Supported Chemistries</b>	NiCd, NiMH, Lead Acid, Gel Cell, Li-ion, Li-Ion Polymer (pouch), LiFePO4, All Primary Cells	Li-ion, Li-Ion Polymer (pouch), LiFePO4, All Primary Cells
<b>Voltage Range</b>	0 to 24V	0 to 70V
<b>Cell Configuration - Li-ion/Li-poly</b>	1-5 cells in series	Up to 16 cells
<b>Cell Configuration - LiFePO4</b>	1-5 cells in series	Up to 18 cells
<b>Cell Configuration - NiCd/NiMH</b>	1-16 cells in series	Up to 46 cells
<b>Cell Configuration - Lead Acid/Gel</b>	1-9 cells in series	Up to 28 cells
<b>Capacity Range</b>	20mAh to 120Ah+	No Limit

### Discharge Capabilities (per channel)

Feature	UBA5	UBA6
<b>Discharge Power</b>	10Ma up to 90w	10mA up to 250w
<b>Accuracy</b>	0.5% reading $\pm 2$ mA	0.5% reading $\pm 2$ mA
<b>Resolution</b>	0.1mAh	0.1mAh
<b>Mode</b>	Programmable constant current or pulse discharge	Programmable constant current or pulse discharge
<b>Cut-off Options</b>	Voltage, time, capacity, temperature*	Voltage, time, capacity, temperature*



### Charging Capabilities (per channel)

Feature	UBA5	UBA6
<b>Current Range</b>	1mA to 2.0A	1mA to 5.0A
<b>Charging Modes</b>	Constant current, constant voltage, duty cycle, or combinations	Constant current, constant voltage, duty cycle, or combinations
<b>Cut-off Methods</b>	Time, capacity, minimum current, peak/deltaV, temperature*	Time, capacity, minimum current, peak/deltaV, temperature*

### Hardware Specifications

Feature	UBA5	UBA6
<b>Battery Connection</b>	Banana connectors	XT60 Male connectors
<b>Accessory Ports</b>	Two (analog and digital)	Two (analog and digital)
<b>Power Requirements</b>	DC: 15V to 26V, 4.5A max	DC: 12-70V, 10A
<b>Dimensions</b>	130mm × 170mm × 75mm	100mm × 250mm × 100mm
<b>Weight</b>	550g	2.7Kg

### Software & Features

Feature	UBA5	UBA6
<b>Software Package</b>	Provides output with test results	Outputs all data into a database for future comparison and advanced analysis
<b>OS Compatibility</b>	Windows (9X/NT4/2000/XP/Vista), Linux (Wine)	Windows Compatible
<b>Special Features</b>	-	Individual Screen, Offline Operation

\*Requires optional temperature probe