



BLU series battery discharger

-BLU100A-BLU200A-BLU340A-BLU110T -BLU220T -BLU360V

- BLU300C-BLU400C-BLU500C- BLU600C-BLU800C

Discharger BLU series for batteries



[www. amperis.com](http://www.amperis.com)

AMPERIS PRODUCTS, S.L.

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CONTACT

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Very lightweight, stand-alone battery testing equipment, which can meet the requirements of a wide range of standardised and customised procedures. The discharge can be made at constant current, constant power, constant resistance or following a pre-selected profile.

Application:

- Power plants
- Telecommunications systems
- Substations
- Protection and control systems

Software:

- Includes updates
- Data export to XLS, PDF, WORD or RTF
- Customisable reports
- Alarms for cell voltage, bank voltage, capacity, time

Benefits:

- Capacity measurement by means of a discharge test of IEEE and IEC compliance.
- Measurement of the internal resistance of the battery
- Constant I, P or R modes of operation.
- Allows to simulate the variation of the load characteristics during a discharge test.
- The test configuration can be modified during the test.
- Parallel operation function (not included in BLU100A and BLU110T models)
- Adjustable alarm and shutdown parameters to prevent excessive discharges.

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BLU100A:

- Weight: 12.8 kg
- Discharge power up to 14.2 kW
- Discharge current up to 160 A DC
- Applicable to battery voltages of 7.5-300 V DC

**BLU200A:**

- Weight: 14.5 kg
- Discharge power up to 19.7 kW
- Discharge current up to 200 A DC
- Applicable to battery voltages of 7.5-300 V DC

**BLU340A:**

- Weight: 20.6 kg
- Discharge power up to 28.4 kW
- Discharge current up to 160 A DC
- Applicable to battery voltages of 7.5-300 V DC

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BLU110T:

- Weight: 12.8 kg
- Discharge power up to 6.2 kW
- Discharge current up to 110 A DC
- Applicable to battery voltages of 7.5-60 V DC

**BLU220T:**

- Weight: 15.1 kg
- Discharge power up to 19.2 kW
- Discharge current up to 340 A DC
- Applicable to battery voltages of 7.5-60 V DC

**BLU360V:**

- Weight: 20.6 kg
- Discharge power up to 28.4 kW
- Discharge current up to 160 A DC
- Applicable to battery voltages of 7.5-480 V DC

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BLU300C:

- Weight: 17 kg
- Discharge power up to 20 kW
- Discharge current up to 220 A DC
- Applicable to battery voltages of 5.25-300 V DC

**BLU400C:**

- Weight: 22 kg
- Discharge power up to 42 kW
- Discharge current up to 300 A DC
- Applicable to battery voltages of 5.25-300 V DC

**BLU500C:**

- Weight: 17 kg
- Discharge power up to 20 kW
- Discharge current up to 220 A DC
- Applicable to battery voltages of 5.25-300 V DC

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BLU600C:

- Weight: 22 kg
- Discharge power up to 42 kW
- Discharge current up to 300 A DC
- Applicable to battery voltages of 5.25-500 V DC

**BLU800C:**

- Weight: 20 kg
- Discharge power up to 32 kW
- Discharge current up to 100 A DC
- Applicable to battery voltages of 5.25-800 V DC

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FRONT CONTROL PANEL

1. Screen - 4.3" colour touch screen.

4. External input (EXT IN) and external output (EXT OUT) Used for parallel BLU-BLU operation (not available for BLU100A and BLU110T models)

3. Flash Drive- Used to transfer the data from the BLU memory to an external memory+SBC/firmware upgrade

7. Interface - Allows you to control BLU from a PC and download previously recorded results.

9. Current and voltage terminals - Current and voltage test cable terminals.

11. Grounding protector. Protective earth connector used to connect to the protective earth (PE).

2. Keyboard. Used to control and operate the instrument.

5. Current probe. Measurement of the charge current with the external current probe.

6. Emergency STOP button. Used when an unexpected or unwanted action occurs.

8. Alarm output. Used to activate the external alarm buzzer.

10. External load trigger. Used to trigger BXL external load units.



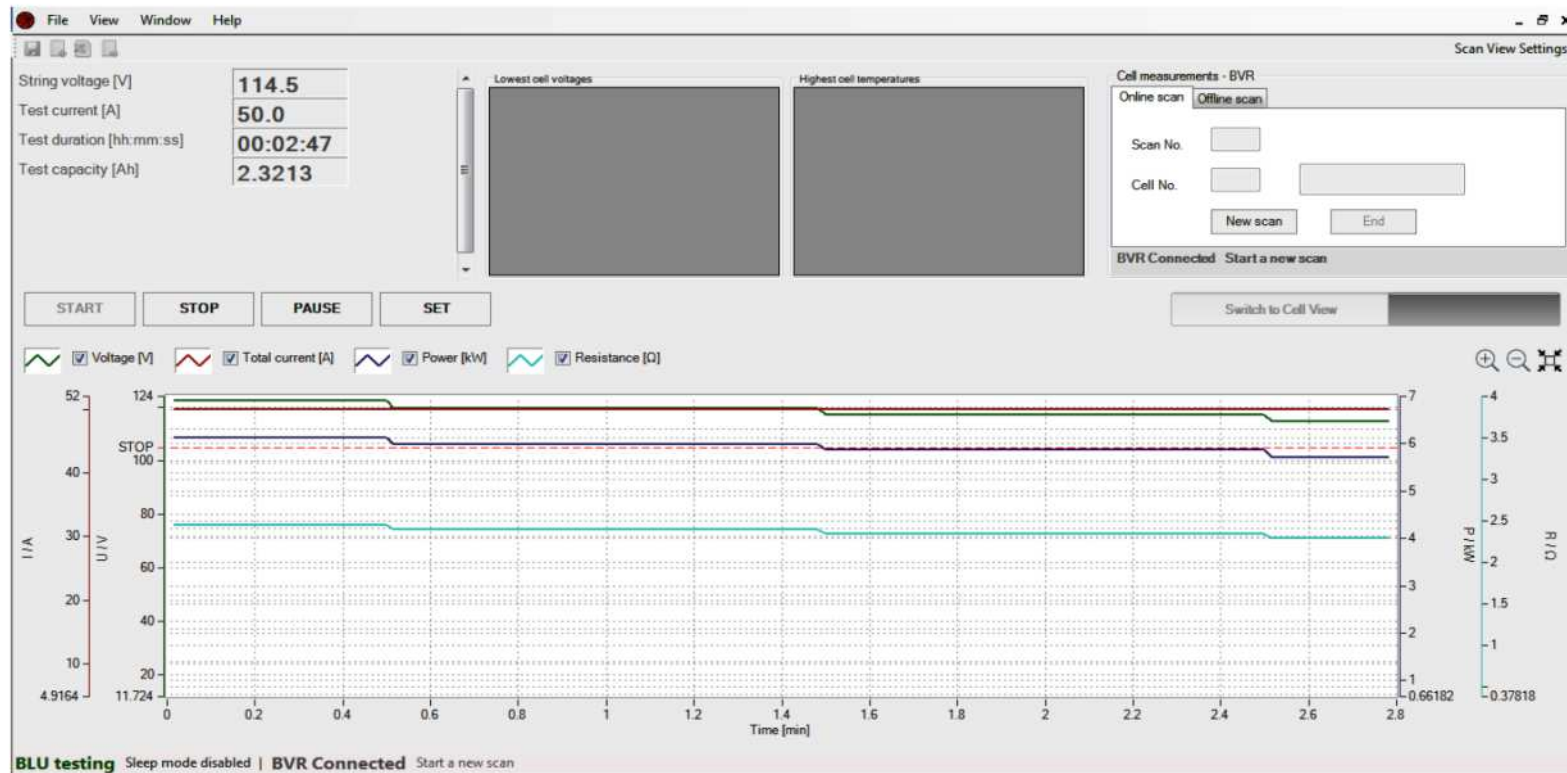
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DV-WIN SOFTWARE SCREENSHOT



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		Maximum discharge current (A)								
Battery voltage (V)		BLU 100A	BLU 200A	BLU340A	BXL-A	BLU 110T	BLU 220T	BXL-T	BLU 360V	BXL-V
Nominal	Min/Max									
12	10,5	80	100	100	119	110	200	156	100	26
	14,1				160			210		35
24	21	160	200	160	186	110	340	230	160	55
	28,2				250			310		75
48	42	160	200	160	186	110	340	230	160	115
	56,4				250			310		155
60	52,5	120	120	160	81	-	-	-	160	141
	70,5				100					190
110	96,3	110	120	160	119	-	-	-	160	96
	129,3				160					130
120	105	100	120	150	134	-	-	-	150	107
	141				180					145
220	192,5	55	75	110	67	-	-	-	110	85
	258,5				90					115
240	210	50	70	100	67	-	-	-	100	93
	282				90					125
280	300	-	-	-	-	-	-	-	50	34
	480									55
Weight (kg/lbs)		12,8/28	14,5/32	20,6/45,4	12,5/28	12,8/28,2	15,1/33	12,5/28	20,6/45,4	16/35
Maximum power (kW)		14,2	19,7	28,4	25,4	6,2	19,2	17,5	28,4	35

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		Maximum discharge current (A)				
Battery voltage (V)		BLU 300C	BLU 400C	BLU500C	BLU 600C	BLU 800C
Nominal	Min/Max					
6	5,25	55	20	55	20	25
	7,05					
12	10,5	115	40	115	40	50
	14,1					
24	21	185	80	185	80	100
	28,2					
48	42	220	150	220	150	100
	56,4					
60	52,5	220	200	220	200	100
	70,5					
110	96,3	150	300	150	300	100
	129,3					
120	105	140	300	140	300	100
	141					
220	192,5	75	150	75	150	100
	258,5					
240	210	70	150	70	150	100
	300					
	800					
Weight (kg/lbs)		17/37,5	22/48,5	17/37,5	22/48,5	20/44,1
Maximum power (kW)		20	42	20	42	32

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		Maximum discharge current (A)				
Battery voltage (V)		BLU 300C	BLU 400C	BLU500C	BLU 600C	BLU 800C
Nominal	Min/Max					
480	300	-	-	40	65	50
	500					
640	564	-	-	-	-	40
	800					
Weight (kg/lbs)		17/37,5	22/48,5	17/37,5	22/48,5	20/44,1
Maximum power (kW)		20	42	20	42	32

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