

BLU series battery discharger

•BLU100A•BLU200A•BLU340A•BLU110T•BLU220T•BLU360V




BLU series battery discharger

- Measure the capacity and voltage of backup batteries
- Lightweight equipment
 - Integrated cooling
 - Powerful software

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Test equipment of independent batteries, very lightweight, which allows satisfying the requirements of a wide range of standardized and personalized procedures. The discharge can be done at constant current, constant power, constant resistance or following a pre-selected profile.

Application:

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

Software:

- Includes updates
- Export of data to XLS, PDF, WORD or RTF
- Customizable reports
- Alarms for cell voltage, bank voltage, capacity, time

Benefits:

- Capacity measurement by discharge test in accordance with IEEE and IEC
- Measurement of the internal resistance of the battery
- Operating modes I, P or R constant
- Allows to simulate the variation of charge characteristics of the process during a discharge test
- The configuration of the test can be modified during the test.
- Parallel operation function (not included in the BLU100A and BLU110T models)
- Adjustable alarm and off parameters to avoid excessive discharges

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 160 A DC
- APPLICABLE TO BATTERY VOLTAGES OF 7,5 - 300 V DC



FRONT CONTROL PANEL

1 - Display - 4.3" color touch screen display

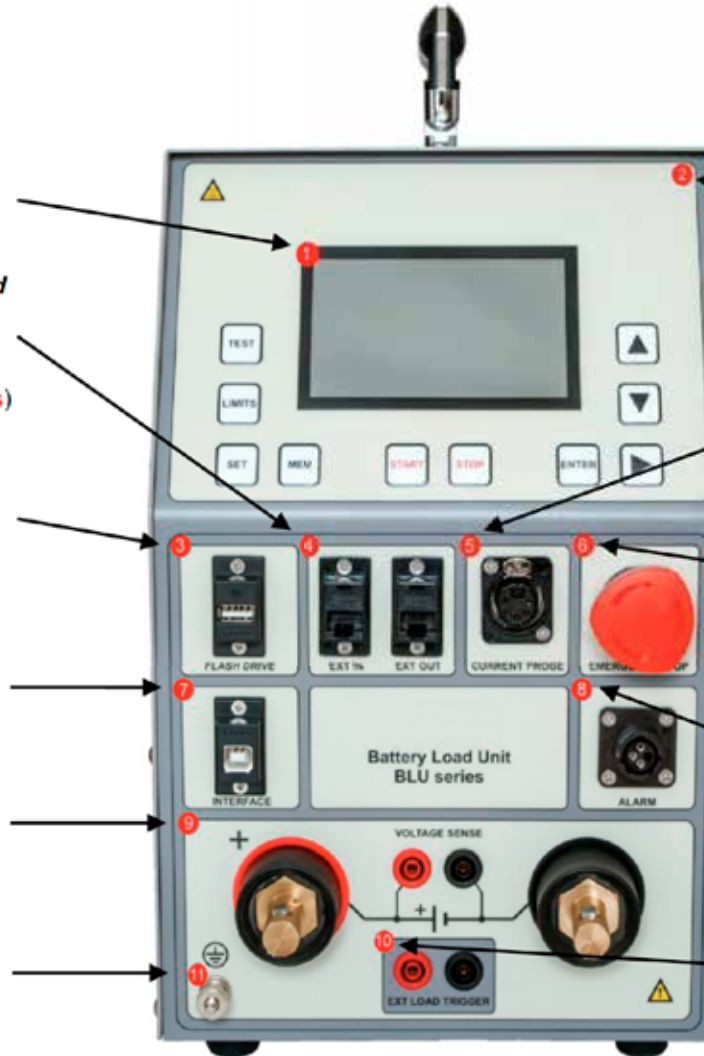
4 - External input (EXT IN) and external output (EXT OUT) used for BLU-BLU parallel operation (not available for BLU100A and BLU110T models)

3 - Flash drive - used for transferring BLU memory data into an external memory stick + SBC / firmware upgrade

7 - Interface - enables controlling the BLU from a PC and downloading previously recorded results.

9 - Current and Voltage terminals - current and voltage test cable terminals

11 - Protective Earth Connector - protective earth connector used to connect to protective ground (PE)



2 - Keyboard - used for controlling and operating the instrument


5 - Current probe - measuring load current using the external current probe.

6 - Emergency STOP button - used when unexpected or unwanted action occurs.

8 - Alarm output - used for triggering external alarm buzzer.

10 - External Load trigger - used for triggering BXL external load units

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BLU110T:

- WEIGHT: 12,8 KG
- DISCHARGE POWER UP TO 6,2 kW
- DISCHARGE CURRENT UP 110 A
- APPLICABLE TO BATTERY VOLTAGES OF 7,5 – 60V DC



BLU220T:

- WEIGHT 15,1 KG
- DISCHARGE POWER UP TO 19,2 Kw
- DISCHARGE CURRENT UP 340 A DC
- APPLICABLE TO BATTERY VOLTAGES 7,5 – 60V DC

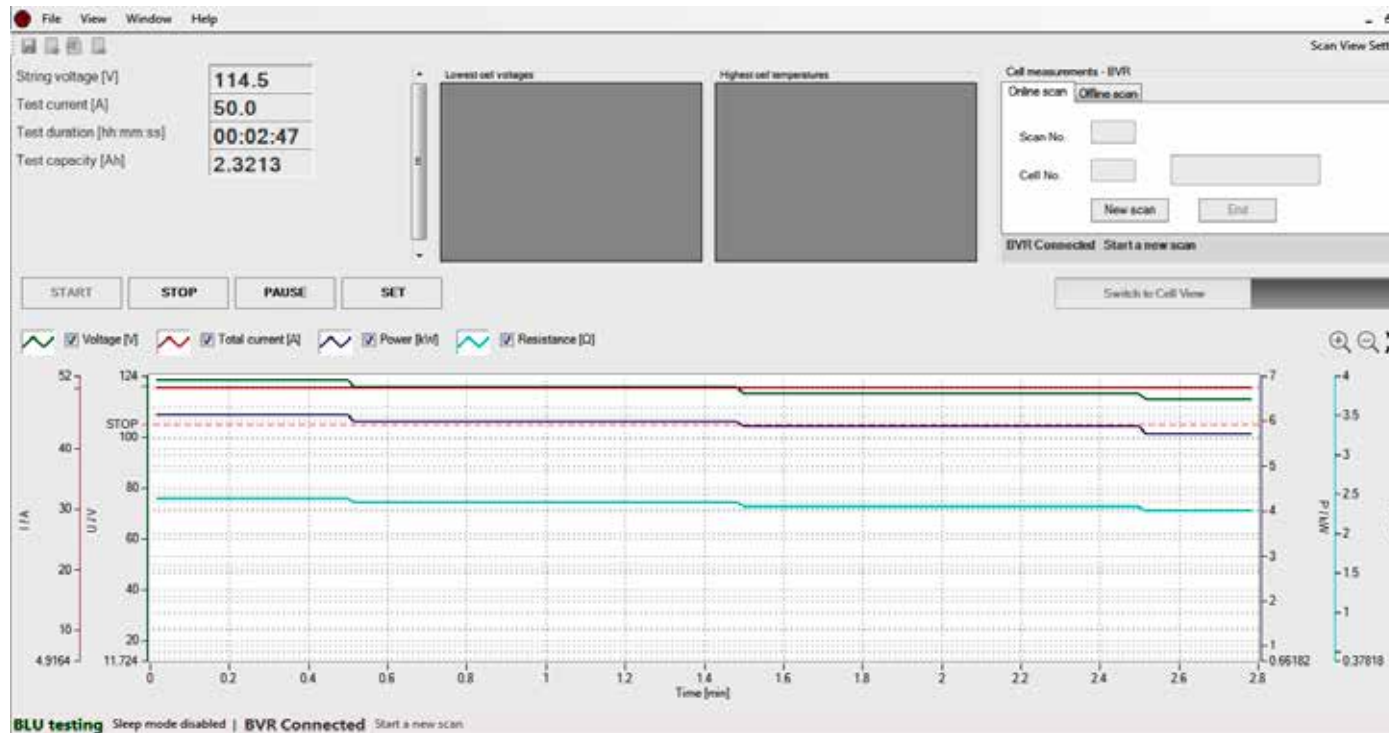


BLU360V:

- WEIGHT: 20,6 KG
- DISCHARGE POWER UP TO HASTA 28,4 Kw
- DISCHARGE CURRENT UP 160 A DC
- APPLICABLE TO BATTERY VOLTAGES OF 7,5 – 480V DC



SCREENSHOT OF DV-WIN SOFTWARE



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		Corriente maxima de descarga (A)								
Tension de la bateria (V)		BLU 100A	BLU200A	BLU340A	BXL-A	BLU110T	BIU220T	BXL-T	BLU360V	BXL-V
Nom.	Min/Max									
12	10,5	80	100	100	119	110	200	156	100	26
	14,1				160			210		35
24	21,0	160	200	160	186	110	340	230	160	55
	28,2				250			310		75
48	42,0	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					
110	96,3	110	120	160	119	-	-	-	160	96
	129,3				160					
120	105,0	100	120	150	134	-	-	-	150	107
	141,0				180					
220	192,5	55	75	110	67	-	-	-	110	85
	258,5				90					
240	210,0	50	70	100	67	-	-	-	100	93
	282,0				90					
280	300	-	-	-	-	-	-	-	50	34
	480									55
Peso (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
Potencia Maxima (kW)		14,2	19,7	28,4	25,4	6,2	19,2	17,5	28,4	35

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