CEGASA EBICK ULTRA175

High power plug & play modular system for applications from 13 to 81 kWh.

Cegasa Ebick175

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The E/Bick Ultra175 is Cegasa's answer to installers looking for a pre-installed and self-manageable “plug and play” battery.

It's ideal for replacing lead-acid batteries in existing installations, as well as for new self-consumption and off-grid installations with requirements from 13 kWh to 80 kWh.

PLUG & PLAY

Designed to be plug & play both mechanically and electrically, thanks to its self-supporting, quick-assembly structure that significantly reduces installation times and complexity, minimising installation costs

MODULAR

The E/Bick Ultra175 has a modular system of 13.4 kWh per module up to 80 kWh.

ESCALABLE

The E/Bick Ultra175 is expandable up to four modules simultaneously.

COMPACT

The E/Bick Ultra175 offers the option of integrated wheels for easy movement.

COMPATIBLE

Compatible for communications with Victron Energy, SMA Sunny Island and Studer inverters

MAINTENANCE FREE

Eliminates 100% of maintenance costs, as no care or intervention is required throughout the life of the product.

DURABILITY

The exclusive LFP (LiFePO4) technology that CEGASA incorporates in its Lithium-Ion batteries guarantees the highest number of cycles on the market, reaching a useful life of up to 15 years in intensive work conditions and 25 years in normal conditions.

Developed and manufactured exclusively in Europe.

SPECIFICATIONS

	Ebick Ultra175
General Specs	
Electrochemical	Lithium Iron Phosphate (LFP)
Cell type	Prysmati
Electrical specifications	
Module nominal voltage	48 Vdc
Voltage range	43 - 52,2 Vdc
Nominal capacity	280 Ah
Nominal current at continuous charge	140 Amp
Maximum current at charge / discharge	175 Amp
Nominal current at continuous discharge	140 Amp
Discharge peak current (5 min)	225 Amp (10 kW)
Discharge peak current (5 sec)	270 Amp (12 kW)
Discharge peak current (1 sec)	400 Amp
Energetic specifications	
Life cycles (80% DoD)	> 5000 cycles
Nominal Energy	13,5 kWh
Physical and protection specifications	
Dimmensions (Width x depth x height)	762 x 405 x 600 mm
Weight	105 Kgr.
Protection degree	IP30
Operating temperature	
Recommended working temperature	15 to 30 ºC
Discharge temperature range	-20 to 55 ºC
Charge temperature range	0 to 45 ºC
Electrical connections	
Power	REMA SR 350 Gray connector
Communications	RJ45 Cat 5e (Paralel cable)
Communications	
Communication type	CAN Bus
BMS (Protections and control)	
Overcharge	Yes
Overdischarge	Yes
Shortcircuit	Yes
Overcurrent	Yes
Overtemperature	Yes
Passive Balancing	Sí
Certificates	
CE Mark	IEC 62619
Transport	UN Test and Criteria, 38.3

Possible combinations

	1 module	2 modules	3 modules	4 modules	5 modules	6 modules
Electrical specifications						
Nominal voltage	48 Vdc					
Voltage range	43 - 52,2 Vdc					
Nominal capacity (Ah)	280	560	840	1120	1400	1680
Nominal energy	13,5 kWh	27 kWh	40,5 kWh	54 kWh	67,5 kWh	81 kWh
Continuous nominal charge current	140 Amp	280 Amp	400 Amp	475 Amp		525 Amp
Maximum charge / discharge current	175 Amp	320 Amp	450 Amp	500 Amp		575 Amp
Discharge peak current (5 min)	225 Amp	450 Amp	600 Amp	800 Amp		850 Amp
Discharge peak current (5 sec)	270 Amp	540 Amp	750 Amp	875 Amp		950 Amp
Discharge peak current (1 sec)	400 Amp	800 Amp	1000 Amp	1000 Amp		1200 Amp

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