CEGASA

+85 years of energy Storage experience

Cegasa, a leading brand in energy storage and management systems.

- Specialising in the design and development of energy solutions for residential and industrial sectors.
- Experts in latest generation Lithium-Ion based energy accumulation technologies.
- Manufacturers of Lithium-Ion energy storage systems.
- A highly motivated and qualified team.
- A culture of quality and customer service.
- Own material characterisation laboratories.
- A European group of companies committed to innovation and sustainable development.

Head office & factory

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TÜVRheinland CERTIFICADO
Sistema de Gestión
ISO 9001:2015
ISO 14001:2015
www.tuv.com
ID 9105083545

CEGASA

E/Bick Ultra175

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

Energy you can trust

cegasa.com

E/Bick Ultra175

eBick Ultra 175 is Cegasa's answer to installers looking for a pre-installed, self-managed "plugand-go" battery.

Ideal for replacing lead batteries in existing installations, as well as for new self-consumption, off-grid installations with needs of between 13 and 81 kWh.

- Li ION — Cegasa Lithium-LFP technology
- Ready to use
  Fully factory installed
- Integrated wheel option for easy movement
- 48V — Working voltage 48V
- Modular system
  13.4 kWh per module up to 81 kWh
- Expandable up to 6 modules in parallel
- Compatible for communications with Victron, Sunny Island and Studer inverters
- Direct replacement of lead batteries

Configurations	Ultra 175_48v 280ah	Ultra 175_48v 560ah	3 module Setup (To busbar)	4 module Setup (To busbar)	5 module Setup (To busbar)	6 module Setup (To busbar)
Mechanical characteristics						
Equipment dimensions (mm)						
Width	765					
Depth	405					
Height	600	1050				
Height w/o base frame	470	-				
Equipment total weight (kg)	105	210				
Finish / Battery seal	IP30					
Electrical characteristics						
Rated voltage (V)	48					
Maximum voltage (V)	52,2					
Minimum voltage (V)	43					
Rated capacity (Ah)	280	560	840	1120	1400	1680
Rated energy (kWh)	13,5	27	40,5	54	67,5	81
Type of communications	CAN Bus					
Electrical safeguards						
Overload	ok					
Over-discharge	ok					
Short-circuit	ok					
Over-current	ok					
Over-temperature	ok					
Passive balancing	ok					

Configurations	1 module	2 modules	3 modules	4modules	5 modules	6 modules
Current level (A)						
Maximum continuous charge current	175	320	450	500		575
Recommended continuous charge current	140	280	400	475		525
Rated continuous discharge current	140	280	400	475		525
Maximum continuous discharge current	175; (8KW)	340; (15KW)	500 (22,5KW)	575 (26KW)		666 (30KW)
Peak discharge (1) current/time	225 (5 minutes); (10KW)	450 (5 minutes); (20KW)	600 (5 minutes); (26KW)	800 (5 minutes); (35KW)		850 (5 minutes); (38KW)
Peak discharge (2) current/time	270 (5s); (12KW)	540 (5s); (24KW)	750 (5s); (32KW)	875 (5s); (40KW)		950 (5s); (43KW)
Peak discharge (3) current/time	400 (<1s)	800 (<1s)	1000 (<1s)	1000 (<1s)		1200 (<1s)
Electrical connections						
Power Connector	REMA SR 350 Connector Grey (Similar connector is supplied for installation with pins for 95mm²)					
Power Connector	RJ45 Cat 5e (parallel cable)					
Type approval						
	CE Mark					
	UN 38.3					
	IEC 62619					