ADAPTIVE
BALANCING POWER

AMPERAGE AC | Datasheet

Energy storage system	Type of energy storage	Flywheel; ring-type / hollow cylinder flywheel
	Flywheel rotor material	Carbon fiber winding
	Flywheel bearing system	Contact free magnetic bearings
	Flywheel operating atmosphere	High Vacuum
Typical applications		Power boosting of ultra fast charging stations
		Power quality
		Battery protection
Technical properties	Rated power	200 kW
	Usable energy capacity	20 kWh
	Efficiency	>92% (DC roundtrip)
Lifetime	Cycle life	> 1,000,000
	Calendrical life	25 years
	Place of manufacture	Germany
Electronics	Power interface	400 V AC, 50 Hz
	Current	450 A
	Option Power Booster	Input current from grid: 63 … 250 A
		Output current to application/charger: 450 A
Communication and energy management	Interface protocol (to external energy management / SCADA)	Modbus TCP, EtherCAT or customer specific
	Data connection for remote maintenance	4G, 5G & LAN
	Energy Management	Optional internal energy management
Standards & Safety	Conformity	CE
	Protection class of enclosure	IP 55, IK 10
	Sustainability	No battery chemicals
		Recycable at end of lifetime
Maintenance	On site maintenance of periphery	by trained personell
	Intervalls	yearly
	Monitoring	continous
	Dimensions (W x L x H)	1.2 m x 2.4 m x 2.9 m
	Weight	5.5 t
Sourrounding conditions	Operating temperature	-20° C to 40 °C
	Humidity (non condensing)	< 85%
	Storage termperature	-10 °C to + 70 °C
Installation	Transport	fully assembled energy storage system
	On-site foundation	concrete foundation

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GREEN TECH
MADE IN
GERMANY