



Company Profile

www.agreate.com

ABOUT US

01 Company Profile

02 Manufacturing

PRODUCTS

03 Wattainer Air Cooled ESS

05 Wattainer Liquid Cooled ESS

07 Wattainer Mini

08 Microgrid

09 PV+BESS+EV Charging

SOLUTIONS

11 Microgrid for C&I Applications

12 Microgrid for Off-Grid Industrial Usage

Table of Contents

AGreatE Inc., headquartered in Carlsbad, California, is a renewable energy product and service provider specializing in battery energy storage systems (BESS) and renewable energy microgrids. We are committed to solving energy challenges around the world, tackling the climate crisis with renewable energy, and closing the energy gap for disadvantaged communities through our products and technologies.



MANUFACTURING

AGreatE produces battery modules, packs, and racks and uses them to assemble full BESS in the form of our Wattainer line of products which ranges from small portable systems to large multi-MW systems. Our manufacturing lines allow tight integration between design and production. The assembly of the full BESS allows AGreatE to have both preconfigured systems and custom commissioned systems.

AGreatE can also provide full life cycle services including demand analysis, scheme design, system integration, installation and commissioning, and O&M.

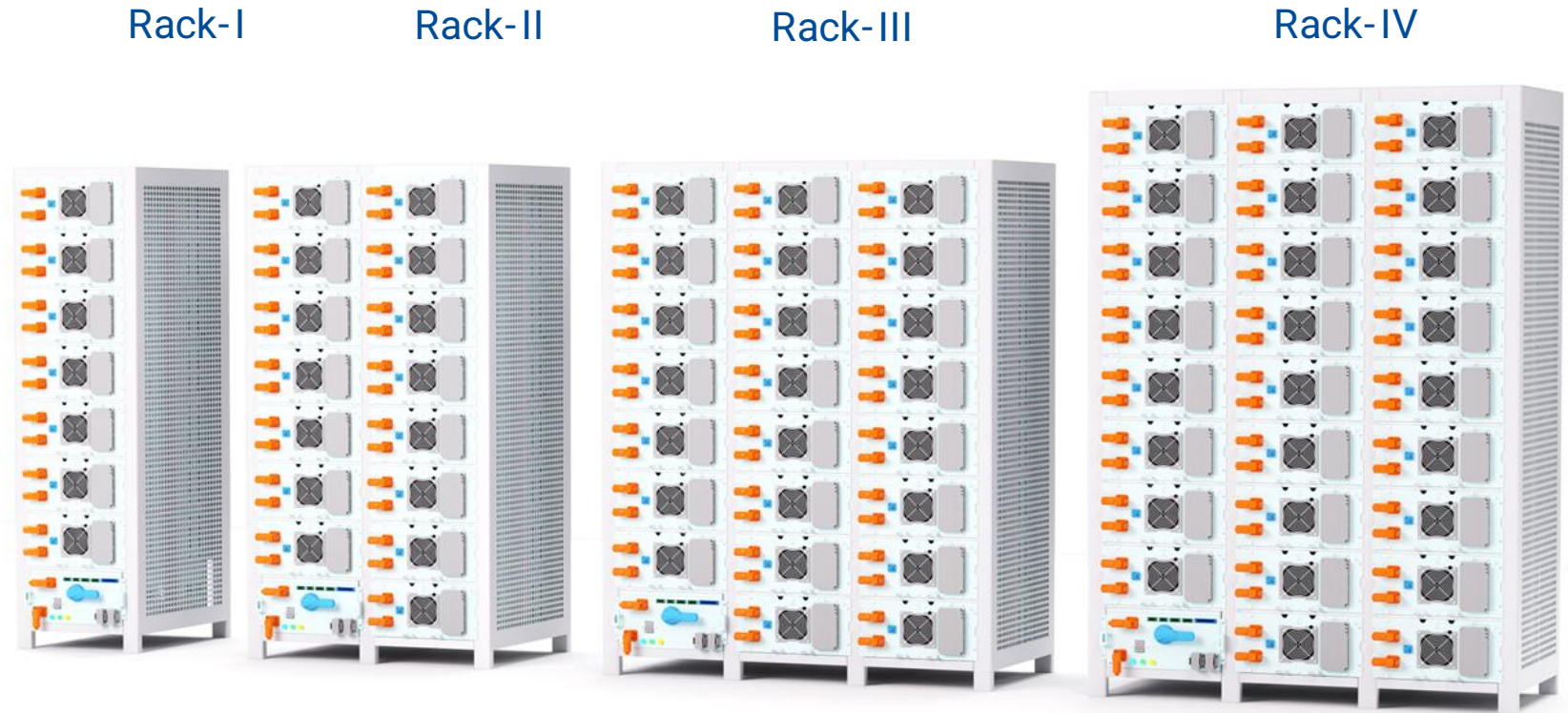


Wattainer Air-Cooled Series Racks

Product Features

- > Integrated single cabinet design, supporting parallel connections
- > Multiple models to meet different needs
- > Integration of battery management and thermal management system
- > The product is internationally certified:
UL1973, UL9540A, IEC62619, UN38.3, RoHS

Model	Capacity (kWh)	Rated Voltage (V)
Rack-I	100.35	358.4
Rack-II	215.04	768
Rack-III	329.73	1177.6
Rack-IV	372.74	1331.2



No.	Power (kW)	Energy Capacity (kWh)	Rack Type	Container Size
1	30/60/90	100/200/301/400	Rack-I	Cabinet or 10 Feet
2	120/180/240/250/375	430/645/860	Rack-II	20 Feet
3	375/500/1000	860 - 3441	Rack-II	20/40 Feet
4	Per Customer Request	Up to 3,957	Rack-III	40 Feet
5	Per Customer Request	Up to 4,473	Rack-IV	40 Feet High Cube

Items 1, 2, and 3 are preconfigured systems. Items 4 and 5 are for custom commissioned systems. Exact configurations may be subject to change



Wattainer Liquid-Cooled Series

Product Features:

- Integrated liquid cooling system, the temperature difference inside the battery pack is less than 3°C for increased battery stability and safety
- Modular design, supporting capacity expansion
- High energy density
- Easy installation, and convenient transportation
- The system is internationally certified: UL1973, UL9540A, IEC62619, UN38.3, RoHS



No.	Capacity (kWh)
1	215
2	258
3	301
4	344

Wattainer Liquid-Cooled XL Series

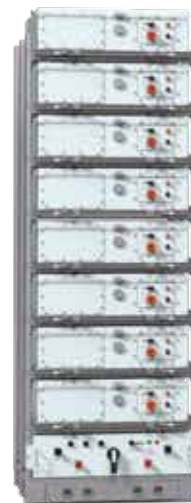
Product Features:

- > Large format storage for custom commissioned projects
- > Integrated liquid cooling for improved thermal management and battery stability
- > The system is internationally certified:
UL1973, UL9540A, IEC62619, UN38.3, RoHS

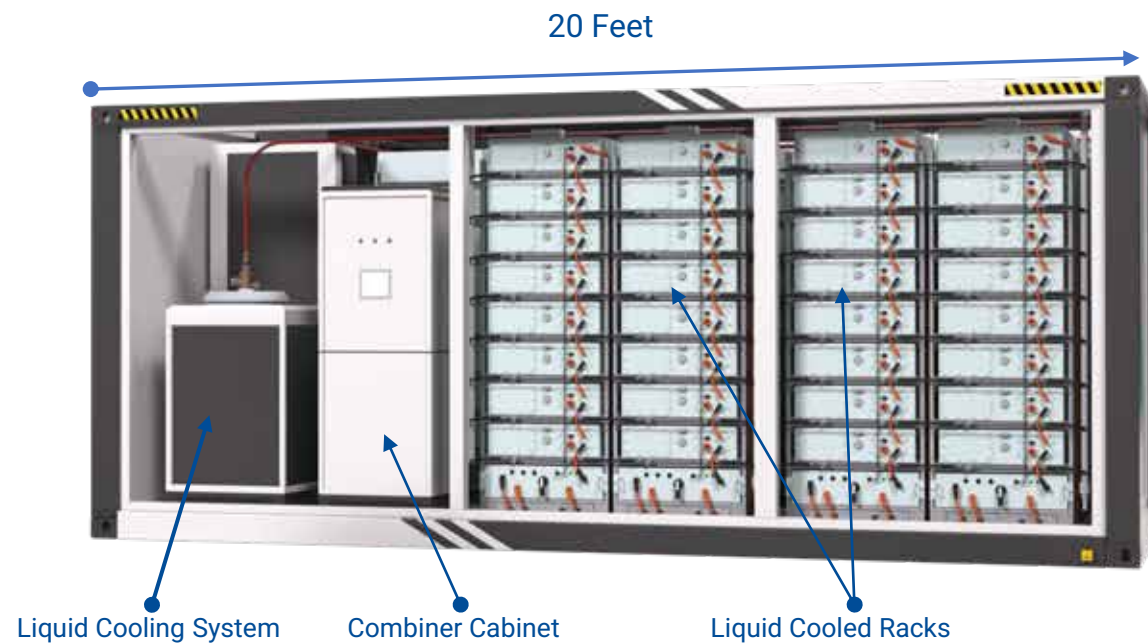
No.	Capacity (kWh)
1	2,752
2	3,097
3	3,441



Pack



Rack



Liquid Cooling System

Combiner Cabinet

Liquid Cooled Racks

Container

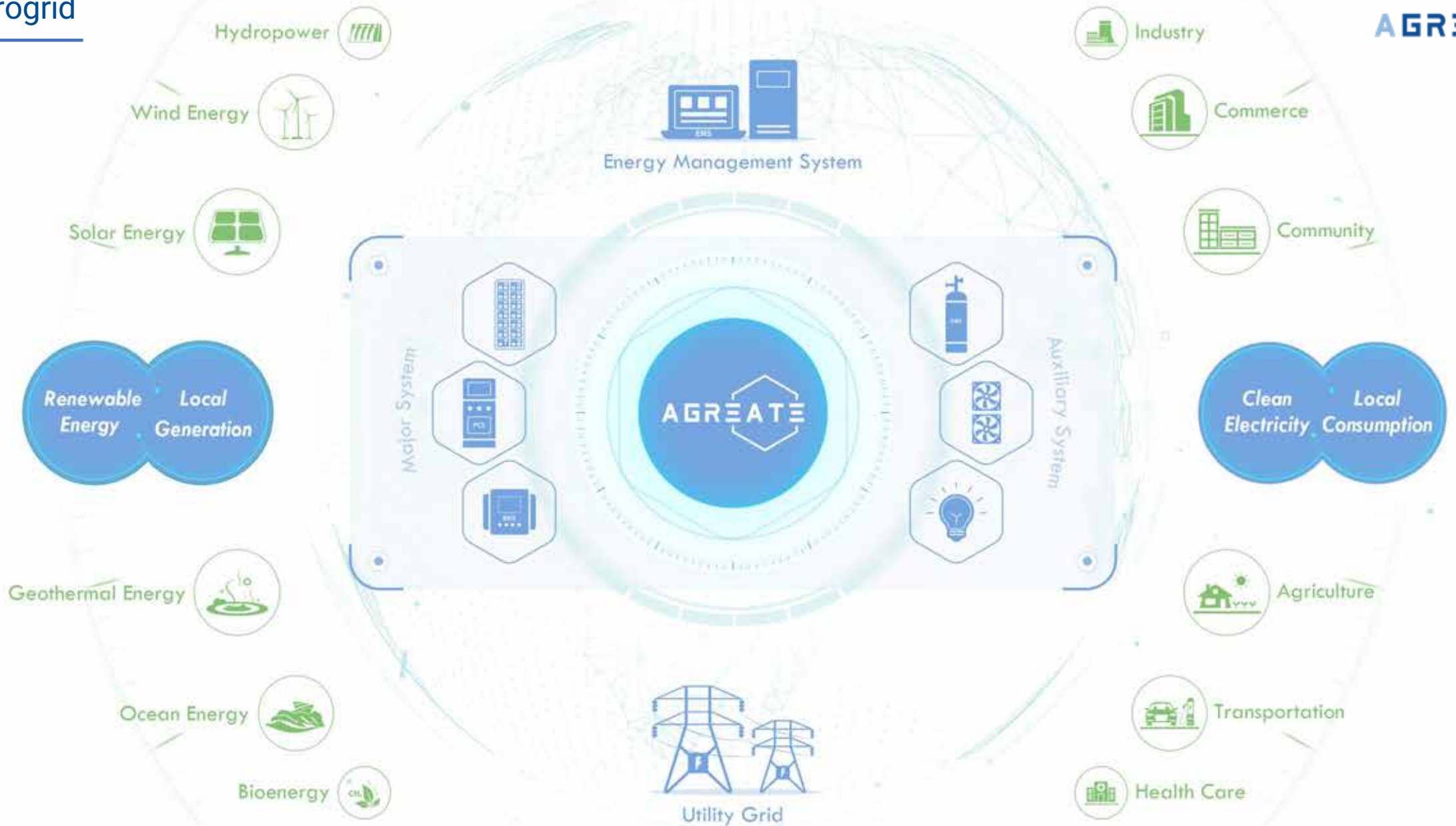
Wattainer Mini

An all-in-one, portable home energy solution that can be used to power an array of optional home DC appliances. The Wattainer Mini is the perfect companion for simple off-grid living when paired with the optional PV module. This simplified and cost-effective solution offers users a complete home appliance solution based on renewable energy.

DC appliances include an electric frying pan, fan, kettle, rice cooker, micro fridge, TV, and LED lighting.

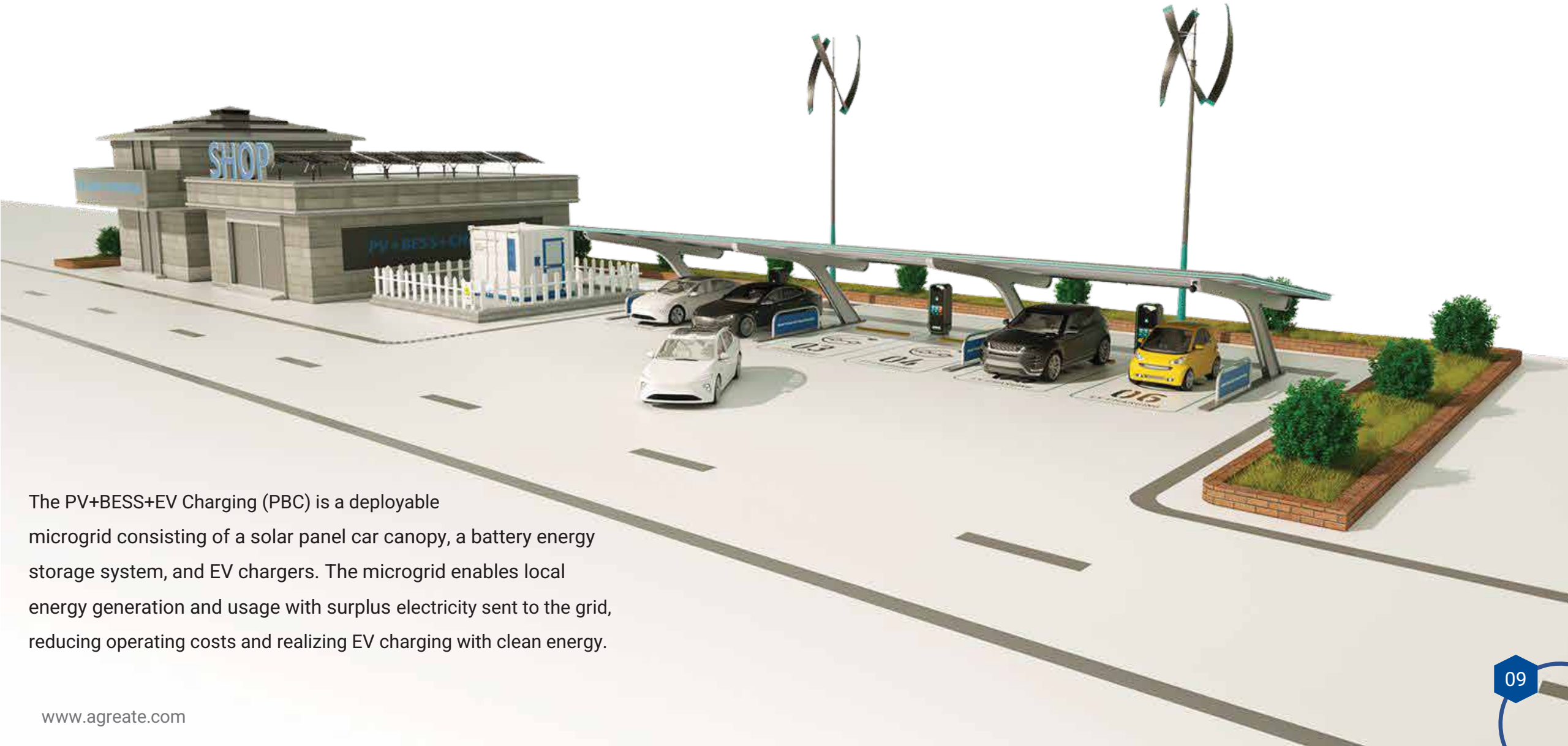


	Rated Capacity (Wh)	1024
Battery Specs	Type of Battery	LFP
	Rated Voltage (V)	51.2
	Cycle of Life (cycles)	≥1500
	IP Protection	20
Size	Altitude (m)	<3000
	Dimension (mm)	300x217x222
	Weight (kg)	<9.5
Service	Warranty (years)	1



The center of the AGreatE microgrid system is the Wattainer BESS and EMS

PV+BESS+EV Charging



The PV+BESS+EV Charging (PBC) is a deployable microgrid consisting of a solar panel car canopy, a battery energy storage system, and EV chargers. The microgrid enables local energy generation and usage with surplus electricity sent to the grid, reducing operating costs and realizing EV charging with clean energy.

PV+BESS+EV Charging



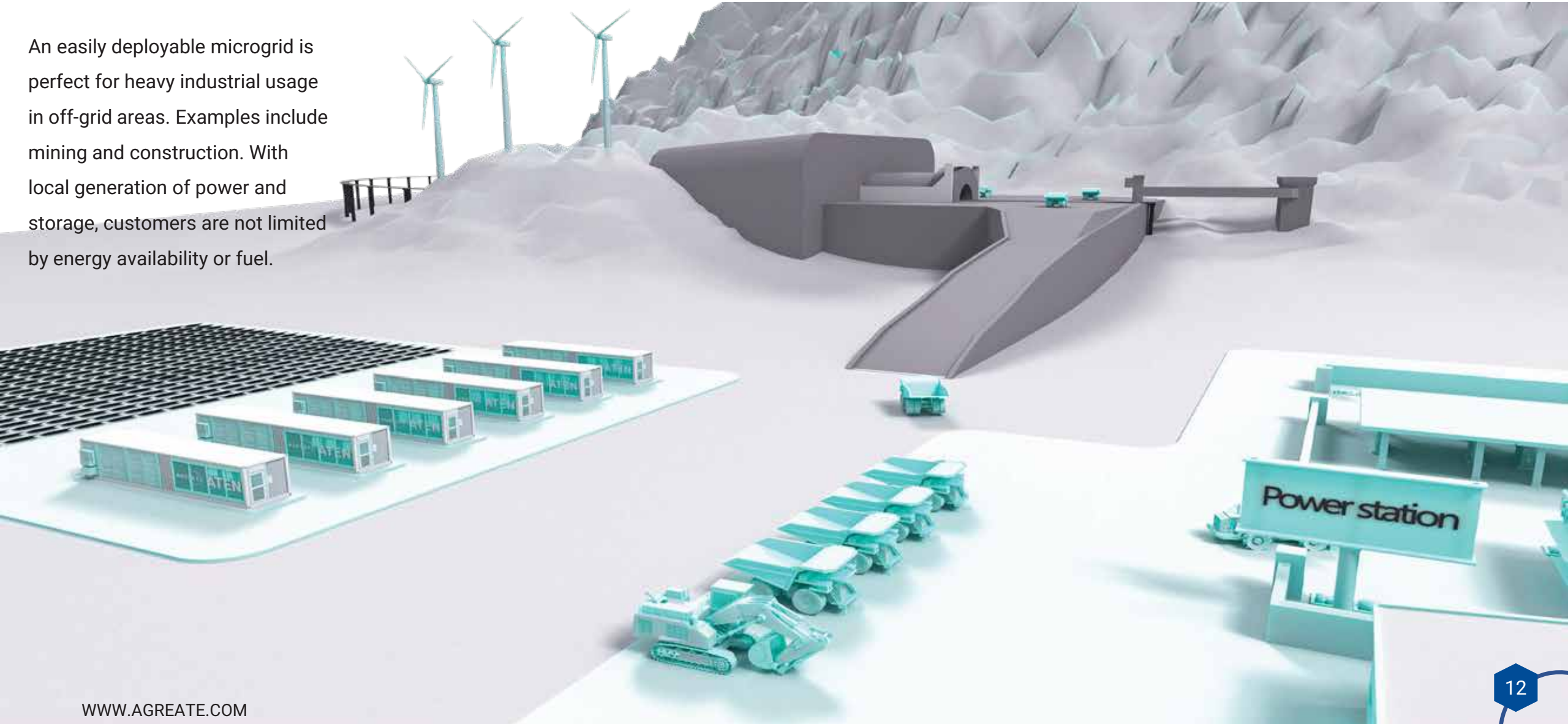
PV + BESS + EV CHARGING

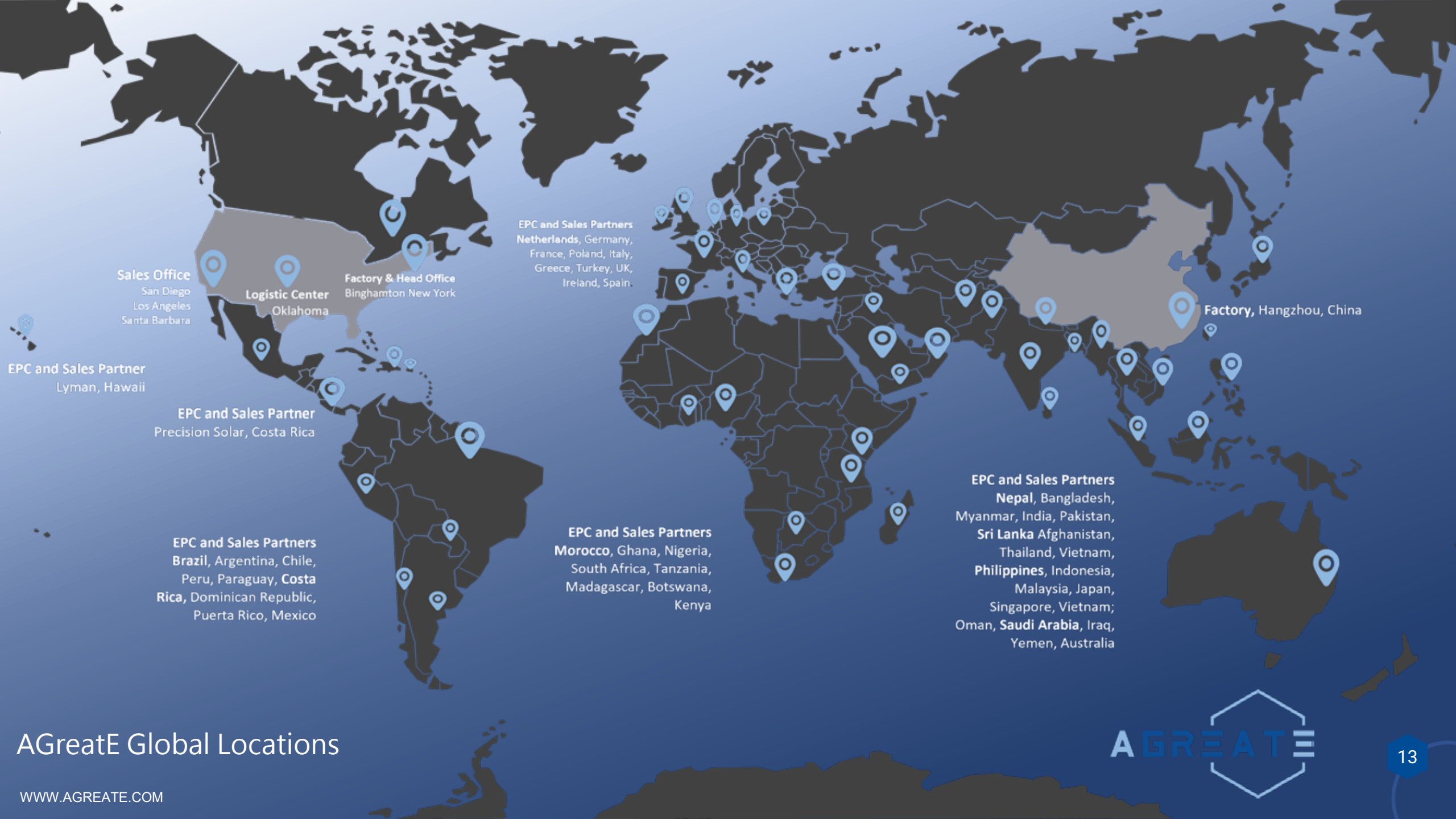
Microgrid for Commercial and Industrial Applications

We provide a complete set of microgrid solutions to C&I customers. An AGreatE microgrid can support both on-grid & off-grid applications to provide a variety of benefits such as controlling local energy production and consumption, reducing power costs through peak demand management, generating revenue through sale of excess energy, and offering energy resiliency to avoid critical equipment failure in the case of an adverse grid event.

Microgrid for Off-Grid Industrial Usage

An easily deployable microgrid is perfect for heavy industrial usage in off-grid areas. Examples include mining and construction. With local generation of power and storage, customers are not limited by energy availability or fuel.





Sales Office
San Diego
Los Angeles
Santa Barbara

Logistic Center
Oklahoma

Factory & Head Office
Binghamton New York

EPC and Sales Partners
Netherlands, Germany,
France, Poland, Italy,
Greece, Turkey, UK,
Ireland, Spain.

Factory, Hangzhou, China

EPC and Sales Partner
Lyman, Hawaii

EPC and Sales Partner
Precision Solar, Costa Rica

EPC and Sales Partners
Brazil, Argentina, Chile,
Peru, Paraguay, Costa
Rica, Dominican Republic,
Puerta Rico, Mexico

EPC and Sales Partners
Morocco, Ghana, Nigeria,
South Africa, Tanzania,
Madagascar, Botswana,
Kenya

EPC and Sales Partners
Nepal, Bangladesh,
Myanmar, India, Pakistan,
Sri Lanka Afghanistan,
Thailand, Vietnam,
Philippines, Indonesia,
Malaysia, Japan,
Singapore, Vietnam;
Oman, Saudi Arabia, Iraq,
Yemen, Australia

AGreatE Global Locations



