

# Energy, whenever, wherever.



## Because we can.

With increasing demand for energy and reliable grids, E / ATEPS has developed a new concept based on a 20ft container.

The system's compact and flexible design allows it to be placed at various locations, while maintaining the option to move it to a new location, should local conditions change.

#### The 20ft container solution:

- Total power of up to 1.0 MW
- Total battery capacity of up to 1.1 MWh
- Flexible modular configuration

Be inspired, explore our **compact, high power, high capacity** container solution.

[exidegroup.com](http://exidegroup.com)



We are a global player  
in energy storage solutions



With innovative and  
best-in-class products



We treat the world and  
humanity responsibly

Creating the future – the Exide way:



Innovation



Reliability



Sustainability



High Performance

**E / ATEPS**  
A company of Exide Technologies

# Smart energy for smart environments.



### Peak shaving:

Charge your batteries whenever electricity rates are low or with renewable energy and discharge to avoid paying peak prices during the most expensive times of the day.



### Micro-Grid Application:

Combining and optimizing different power sources and storage devices to reduce operating costs and CO<sub>2</sub> footprint.



### Frequency stabilisation:

Ensure the availability and quality of the electrical grid. Stabilize frequency and voltage and reduce the requirement for grid extension.



### Off-Grid Application:

Energy solutions for non-grid connected villages and/or islands.



### Self consumption:

Reduce your energy bill through self-consumption. Combined with renewable energy sources this also significantly reduces your carbon footprint.



### Back-up power:

Ensure your operation runs 24/7, even during periods with limited or weak energy supply.



### Energy Trading:

Profit by managing short-term imbalances in supply and demand, known as frequency response, to ensure that electricity frequency remains stable. Or trading power prices in the wholesale market.



Worldwide  
data access.



Plug-and-play system  
with factory pre-set  
parameters.



Over-the-Air update  
of system software



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AC on-grid modus	
AC grid voltage	400V or 480V
AC grid power	1 to 8x 95A per converter unit, 1,520A maximum with 2 converters
AC power	1 to 8x 62.5kW per converter unit, 1.0 MW maximum with two converters
Grid-feed-in	1,000kW
AC frequency	50Hz (49.5Hz~50.5Hz) or 60Hz (59.5Hz~60.5Hz)
AC power factor	0.1~1 leading or lagging (controllable)
Output THD	<3%
Overload capability	105%~115% 10min, 115%~125% 1min, 125%~150% 200ms

Battery system	
Battery technology	Lithium-LFP
Battery voltage	600V~900V
Rack capacity	138kWh with 15 battery modules and one BMS in a single rack
C-rate	Up to 1C
BMS	With mains DC-switch and protection for over- and under voltage, over current, temperature, etc
MBAMS	LCD touch screen with graphical interface

AC off-grid mode	
AC output voltage	400V or 480V (±10% adj.) - 3-phase
AC output current	1 to 8x 95A per converter unit, 1,520A maximum with two converters
AC output power	1 to 8x 62.5kW per converter unit, 1,000kW maximum with two converters
AC maximum power (max. 2 min.)	1 to 8x 68.75kW per converter unit, 1,100kW maximum with two converters
Output THD	<2%