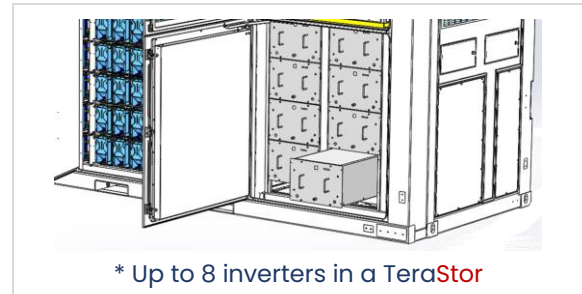


GT450

A new standard in energy conversion, delivering exceptional performance, efficiency and reliability for the **TeraStor™**.

Seamlessly converts and manages power between the **TeraStor™** and the grid. Advanced design and intelligent controls ensure optimal energy transfer, enabling maximum utilization of stored energy.



High-efficiency Power Electronics

Minimizes power losses during conversion for superior efficiency and reduced operational costs. The **TeraStor** has more stored energy available for use and runs with a significantly higher output.

Reliability

Advanced protection mechanisms safeguard against overvoltage, overcurrent and short circuits, ensuring **TeraStor** longevity and integrity. Designed for ease of maintenance, with full redundancy, modular components and proactive fault detection to simplify troubleshooting and reduce downtime.

Optimal Efficiency

Achieves industry leading efficiency with advanced technology and intelligent control algorithms. Provides higher energy yields for the optimal return on your **TeraStor** investment.

Engineered with the **TeraStor**

Allows bidirectional power flow and precise control over energy dispatch. Leverages the stored energy efficiently during peak demand periods, minimize grid fluctuations and contribute to a more stable and resilient energy infrastructure.

The **GT450** is the ultimate inverter—a game-changer in energy conversion and management. Its high-efficiency power electronics, advanced monitoring capabilities and seamless integration ensure optimal energy transfer, reliability and cost-effectiveness. Experience the future of energy storage with **TeraStor**, an all-in-one energy storage solution with a factory integrated PCS. Take charge of your energy future with a new level of energy optimization.

Item	Value
Rated continuous AC power	450 KW/KVA
PCS volume and density per unit (up to 8 in a TeraStor)	Volume 1 unit – 1.48' w x 4.3' d x 1.10' h = 7.00 ft ³ Density 1 unit – 64.30 kW/ft ³
DC voltage range (battery)	1100-1600VDC
Nominal grid frequency	50Hz and 60Hz compatible
Grid frequency range	IEEE 1547 and UL1741-SB compliant
AC voltage (nominal)	740Vac 3phase Delta
Storage temperature	-40 to +60c
Operating temperature	-30 to +60C (derating >45c)
Operating altitude (max)	3,000 meters (derating >1000m)
Black start	Yes
Parallel operation	Yes
Efficiency (CEC)	> 98.5% at full load, nominal DC voltage
Operation (grid-interactive)	4-quadrant P-Q control, Volt/VAR, Freq/Watt
Real & reactive power accuracy (PCS closed loop)	+/- 1% of command value
Stand-alone (UF) operation	Voltage accuracy +/- 1% Frequency range +/- 5% of nominal Frequency accuracy +/- 0.1% Power factor -1 ~ +1 (full 4 quadrant)