

Energy Storage System (ESS) for commercial and industrial applications -

# STORION SERIES

# T30



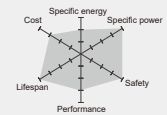
## ✓ Key Features

-  **AC-Coupling**
-  **Modular design**
-  **24/7 Monitoring with local interface**
-  **Easy installation and low maintenance**



### Real-time Monitoring

All systems can be monitored by **Web and iOS/Android APP**.



### Safest Chemistry

AlphaESS uses Li-phosphate for its excellent safety and long lifespan.

## About AlphaESS

As one of the earliest pioneers in energy storage market with lithium iron technology, AlphaESS has a vision to pave the path for everyone in the world to enjoy clean energy one day.

AlphaESS is a multinational company that currently has more than 10'000 residential and commercial systems running in 30 countries globally and its products are accredited by IEC, TÜV, CEC and many other international standards.

All AlphaESS energy systems are integrated with smart energy management solutions. AlphaESS is committed to revolutionize the future energy network through our patented German technologies.



Official Website



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System Specification	
Model	Storion-T30
Nominal Output Power	30 kW
Max. AC Input Power	30 kW
Capacity Range	23.0 kWh ~ 68.8 kWh (90% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP21
System Cabinet Dimension (W x D x H)	1180 mm x 700 mm x 1500 mm
System Cabinet Weight	170 kg
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
Inverter Technical Specification	
Max. AC Input Current	43 A
Nominal AC Input Voltage	400 V
Battery Voltage Range	200 V ~ 750 V
Max. Charge/Discharge Current	90 A
Max. Charge/Discharge Power	30 kW
Phase	Three-Phase
Rated Voltage	400 V
Grid Voltage Range	340 V ~ 460 V
Rated Frequency	50/60 Hz
Dimension (W x D x H)	440 mm x 596 mm x 173 mm
Weight	43 kg
Grid Regulation	VDE 4105
Safety	IEC 62109-1&-2
Battery Technical Specification	
Module Model	M48112-S
Module Capacity	5.7 kWh
Module Nominal Voltage	51.2 V
Operating Temperature Range	-10 °C ~ 50°C*
Module Weight	65 kg
Module Dimension (W x D x H)	450 mm x 580 mm x 165 mm
Cycle Life	≥ 6000
Max. Charge/Discharge Current	112 A (1C)
High Voltage Control Box Technical Specification	
BMU Model	HV900112
DC Voltage Range	200 V ~ 900 V
Nominal Output Current	112 A
Battery Modules Connection	4 ~ 12 M48112-S in series

\*When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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