

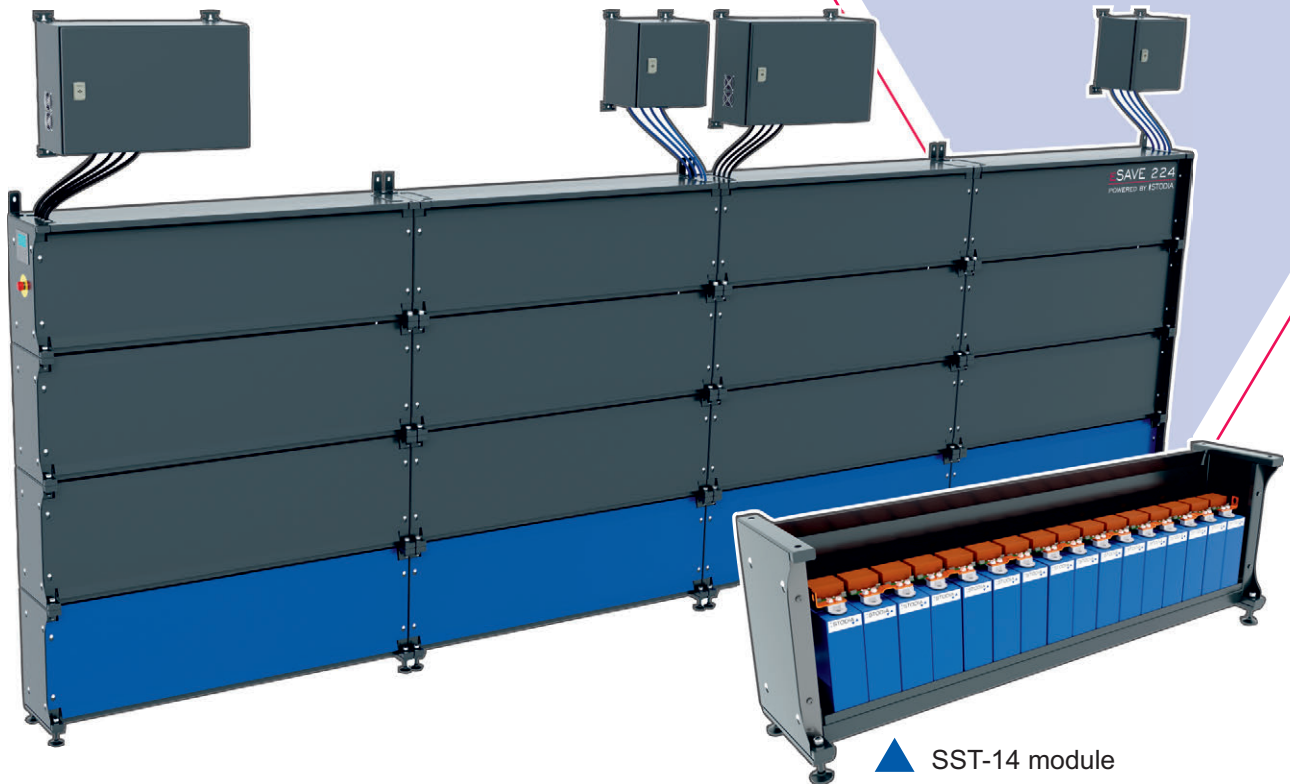
# ESAVE

STODIA stationary battery

# STODIA **E**SAVE

## Modular stationary battery

▲ Variant: 224 kWh battery with 16 modules

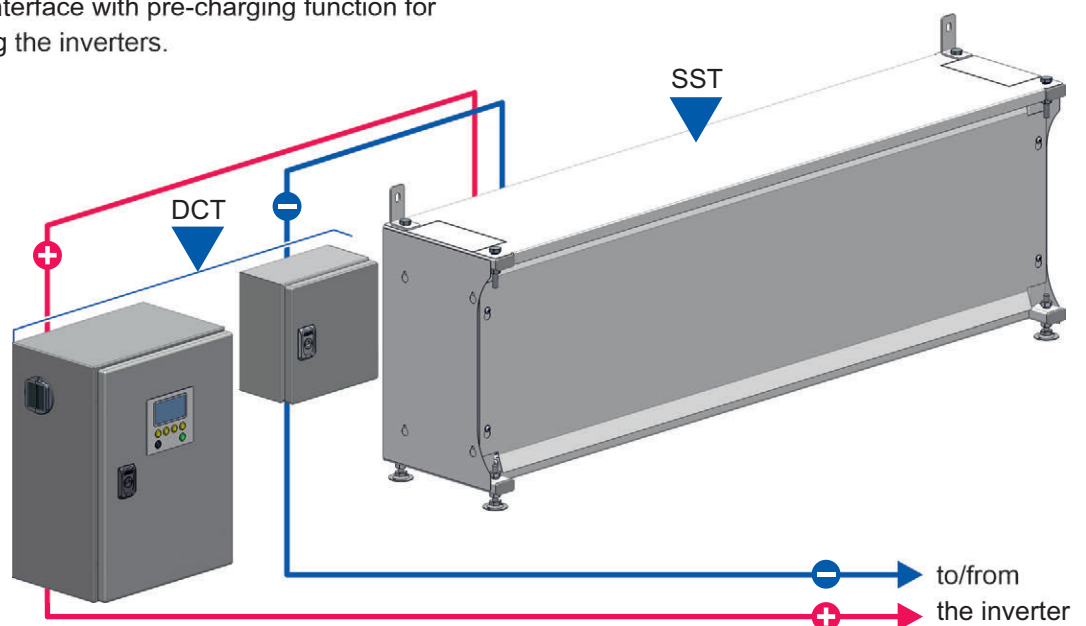


▲ SST-14 module

### ▼ System components

△ The DCT (DC terminal) comprises the BMS (battery monitoring, current measurement, protection and load disconnection), ICM (digital communication and inverter interface) and the DC load interface with pre-charging function for connecting the inverters.

- △ Low voltage (DCT-48) and high voltage (DCT-HV) versions available
- △ At least one DCT is required per battery installation to connect the inverters.










# Your way to energy independence

## Properties

- △ **Modular stationary battery:**  
power and capacity can be scaled to any level.
- △ **Scalable:**  
From 14 kWh up to your required size.
- △ **Intrinsically safe cell chemistry:**  
LFP modules for maximum safety even in the event of a fault.
- △ **Cell and component diagnostics:**  
visual display of components requiring maintenance.
- △ **Cell management with single cell charging:**  
balances and compensates capacity tolerances even under the highest loads.
- △ **Memory request via in-house app:**  
For Android and iOS smartphones.
- △ **Full battery diagnostics**  
down to the cell level.
- △ **Open, accessible design:**  
all assemblies are easy to install and service.
- △ **Nominal voltage:**  
voltage can be 12 V, 24 V, 48 V or higher voltages in multiples of 12 V.
- △ **Low capacity loss:**  
less than 20% after 10,000 cycles. (\*\*)
- △ **10x charging capacity:**  
Charge/discharge power related to capacity.
- △ **High system compatibility:**  
Can be combined with various inverters for AC and DC coupling (\*)

## Technical Data

						
Module capacity (kWh)	14	28	56	112	168	224
Cell chemistry	Lithium iron phosphate (LFP)					
Module voltage	12/24/48VDC					
Operating temperature range	Required: -20 °C to 45 °C   optimal: 10 °C to 35 °C					
Rel. Humidity	95%, non-condensing					
Efficiency	~1C to 10C (depending on configuration)					
Capacity trend	Expected capacity after 10,000 cycles > 80% (**)					
Transport	In Components					
Type of protection	IP10					
Housing material	Steel, powder coated or painted					
Dimension module (L/W/H)	~ 400mm/1300mm/260mm					
Dimension (L/W/H) DCT+	~ 310/250/455mm (DCT400), ~600/435/230mm (DCT1200)					
Dimension (L/W/H) DCT-	~ 200/147/255mm (DCT400), ~300/435/230mm (DCT1200)					
Weight DCT	~ 20kg (DCT400), ~40kg (DCT1200)					
Weight module	~ 100kg					

Subject to technical changes.

\*) Additional accessories required.  
(\*\*) At an operating temperature of 5-40°, main load profile: 90% < 1C



**For further information or to place an order**

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