

STATIONARY BATTERY

Modus

High power stationery battery



The Modus high power stationary battery has been designed specifically for demanding stationary applications. It is ready to be integrated into a standard industry cabinet.

The Modus offers high lifetime and fast charging capability for stationary applications.

Modus stationary battery
Integration example into industrial cabinet

Key characteristics



Safe

HIGHEST SAFETY
By design and cell selection

>20.000

LONG LIFE
Over 20.000 cycles



Up to 10C

PEAK SHAVING
Charging and discharging

Plug & play

EASY CONNECTIVITY
Simple installation



Flexible

MULTI-STRING PARALLELING
Ready for integration



WIDE-TEMPERATURE OPERATION

Excellent performance



BATTERY MANAGEMENT SYSTEM

Integrated supervision



LIQUID COOLING

For high power cycles and increased lifetime

Technical data

Variants	Unit	8C-500	8C-800	10C-500	10C-800
Rating					
Nominal energy	kWh	20.3	30.5	17.7	26.5
Nominal voltage	V	442	662	442	662
Charge cut-off voltage	V	518	778	518	778
Discharge cut-off voltage	V	288	432	288	432
Peak power charge/discharge, up to	kW	200 / 175	300 / 260	200 / 175	300 / 260
Continuous power charge/discharge, typical	kW	85	125	85	125
Cell chemistry		Lithium Titanate Oxide (LTO)			
Discharge efficiency		>98 % at 25°C, 90%-10% SoC, 1C		>99 % at 25°C, 90%-10% SoC, 1C	
Mechanical data					
Dimensions (excl. mounting feet)	mm	L600 x W600 x H1800	L600 x W600 x H2200	L600 x W600 x H1800	L600 x W600 x H2200
Weight	kg	284	416	284	416
Mounting location		Stationary, indoors			
Degree of protection		IP 20			
Shock & Vibration		Battery module according Cat. 1, Class B (IEC 61373)			
Cooling		Liquid cooling (water glycol)*			
		*Cooling power and flow rate to be selected based on operation profile			
Operation and diagnosis					
Communication interface		CANopen			
Service tool		Laptop-based service tool			
Lifetime					
Design life		15 years			
Cycle life		20'000 cycles at 35°C, 10-90 % SOC, 2C/2C		40'000 cycles at 35°C, 10-90 % SOC, 3C/3C	
Tested and certified					
Standards		UN 38.3, IEC 62619, IEC 62620, IEC 61000-6-2, IEC 61000-6-4			

Block diagram

