

Technical Data

Model LIVIO HV-10250



SIEGER Trust Built Within

High Performance & Long Life

Delivers over 3500 cycles at 90% Depth of Discharge (DoD), consistent power with low degradation rate

Environment & Safety Focused

IP54 rated dust protection

Robust & Compact Design

Enclosure: CRCA powder-coated Connectors: High Voltage Connectors

Smart Connectivity Options

RS485, CAN, Bluetooth

Battery Management System (BMS)

32S60A intelligent BMS, real-time protection against overcharge, over-discharge, short circuit, temperature spikes, and thermal runaway,

Main Parameter

Built-in Circuit Breaker	Battery Chemistry		LFP
Nominal Voltage (V) 102.4 Operating Voltage (V) 80-116.8 Nominal Energy (kWh) 5.12 Usable Energy (kWh) 4.6 Charge/Discharge Current (A) Recommend +25/-50 Peak(25°C) +30/-50 Other Parameter Recommend Depth of Discharge 90% Dimension (L*W*H, mm) 40 Weight Approximate(kg) 40 IP Rating of Enclosure IP54 Operating Temperature 0-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m	Built-in Circuit Breaker		Yes
Operating Voltage (V) 80-116.8 Nominal Energy (kWh) 5.12 Usable Energy (kWh) 4.6 Charge/Discharge Current (A) Recommend +25/-50 Max. +25/-50 Peak(25°C) +30/-50 Other Parameter 90% Recommend Depth of Discharge 90% Dimension (L*W*H, mm) 40 IP Rating of Enclosure IP54 Operating Temperature 0-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m	Capacity (Ah)		50
Nominal Energy (kWh) 5.12 Usable Energy (kWh) 4.6 Charge/Discharge Current (A) Max. +25/-50 Peak(25°C) +30/-50 Other Parameter Recommend Depth of Discharge 90% Dimension (L-W+H, mm) Weight Approximate(kg) 40 IP Rating of Enclosure IP54 Operating Temperature 0-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m Cycle Life 3500 Installation Wall mount Communication port RS485, CAN Warranty Period 5 Years	Nominal Voltage (V)		102.4
Recommend +25/-50	Operating Voltage (V)		80-116.8
Recommend	Nominal Energy (kWh)		5.12
Charge/Discharge Current (A) Max. +25/-50 Peak(25°C) +30/-50 Other Parameter Recommend Depth of Discharge 90% Dimension (L*W*H, mm) 40 Weight Approximate(kg) 40 IP Rating of Enclosure IP54 Operating Temperature 0-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m	Usable Energy (kWh)		4.6
Current (A) Peak(25°C) +30/-50 Other Parameter Recommend Depth of Discharge 90% Dimension (L*W*H, mm) Weight Approximate(kg) 40 IP Rating of Enclosure IP54 Operating Temperature 0-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude < 2000 m		Recommend	+25/-50
Peak(25°C) +30/-50 Other Parameter Recommend Depth of Discharge 90% Dimension (L*W*H, mm) Weight Approximate(kg) 40 IP Rating of Enclosure IP54 Operating Temperature 0-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m Cycle Life 3500 Installation Wall mount Communication port RS485, CAN Warranty Period 5 Years		Max.	+25/-50
Recommend Depth of Discharge Dimension (L*W*H, mm) Weight Approximate(kg) IP Rating of Enclosure Operating Temperature Octor Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity Altitude Cycle Life Installation Wall mount Communication port RS485, CAN Warranty Period		Peak(25°C)	+30/-50
Dimension (L*W*H, mm) Weight Approximate(kg) IP Rating of Enclosure Operating Temperature Operating Temperature (°C) Storage Temperature At 50% SOC, 25-45°C Humidity Altitude Cycle Life Installation Wall mount Communication port Warranty Period At 50% SOC, 25 - 45°C Storage Temperature At 50% SOC, 25-45°C At 50% SOC, 25-45°C	Other Parameter		
Weight Approximate(kg) IP Rating of Enclosure Operating Temperature Recommend Operating Temperature (°C) Storage Temperature At 50% SOC, 25-45°C Humidity Humidity At 50% RH Altitude Cycle Life 3500 Installation Wall mount Communication port Warranty Period At 50% SOC, 25-45°C Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 At 50% SOC, 25-45°C At 50% SOC, 25-45°C Warranty Period At 50% SOC, 25-45°C At 50% SOC, 25-45°C Warranty Period Storage Temperature At 50% SOC, 25-45°C Warranty Period	Recommend Depth of Discharge		90%
IP Rating of Enclosure Operating Temperature O-55 Recommend Operating Temperature (°C) Charge: 0-55, Discharge: -20-60 Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m Cycle Life 3500 Installation Wall mount Communication port RS485, CAN Warranty Period IP54 O-55 Charge: 0-55, Discharge: -20-60 At 50% SOC, 25-45°C 90% RH 42000 m 5 Years	Dimension (L*W*H, mm)		
Operating Temperature0-55Recommend Operating Temperature (°C)Charge: 0-55, Discharge: -20-60Storage TemperatureAt 50% SOC, 25-45°CHumidity90% RHAltitude<2000 m	Weight Approximate(kg)		40
Recommend Operating Temperature (°C) Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m Cycle Life 3500 Installation Wall mount Communication port RS485, CAN Warranty Period Charge: 0-55, Discharge: -20-60 At 50% SOC, 25-45°C Well mount Storage Temperature At 50% SOC, 25-45°C Well mount Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Storage Temperature At 50% SOC, 25-45°C At 50% SOC, 25-45°C At 50% SOC, 25-45°C At 50% SOC, 25-45°C Humidity 90% RH Storage Temperature Storage Temperature At 50% SOC, 25-45°C At 50% SOC, 25-45°C	IP Rating of Enclosure		IP54
Storage Temperature At 50% SOC, 25-45°C Humidity 90% RH Altitude <2000 m Cycle Life 3500 Installation Wall mount Communication port RS485, CAN Warranty Period 5 Years	Operating Temperature		0-55
Humidity90% RHAltitude<2000 m	Recommend Operating Temperature (°C)		Charge: 0-55, Discharge: -20-60
Altitude <2000 m Cycle Life 3500 Installation Wall mount Communication port RS485, CAN Warranty Period 5 Years	Storage Temperature		At 50% SOC, 25-45°C
Cycle Life3500InstallationWall mountCommunication portRS485, CANWarranty Period5 Years	Humidity		90% RH
Installation Wall mount Communication port RS485, CAN Warranty Period 5 Years	Altitude		<2000 m
Communication port RS485, CAN Warranty Period 5 Years	Cycle Life		3500
Warranty Period 5 Years	Installation		Wall mount
Wallandy Follow	Communication port		RS485, CAN
Energy over lifetime (kWh) 14315	Warranty Period		5 Years
	Energy over lifetime (kWh)		14315

DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

Description of the battery

The LIVIO HV 10250 battery is an advanced energy storage product engineered for stable and reliable power supply across diverse applications. Its design makes it particularly suitable for scenarios requiring high power density, compact installation, reduced structural load, and extended cycle life. The system integrates an intelligent Battery Management System (BMS) that provides real-time monitoring of cell voltage, current, and temperature. The BMS also performs passive cell balancing to enhance consistency and maximize service life.

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