

RS Batlio 5500

BATTERIES
FOR PHOTOVOLTAIC STORAGE



HIGHLIGHTS

- **Flexible and scalable capacity**
- **High number of life cycles and consistent performance over time**
- **High energy density in a compact design**
- **Reliable LFP technology for safety and durability**
- **IP65 rating for indoor and outdoor installations**
- **Integrated fire protection**
- **Compatible with RS Hybrid three-phase**

Riello Solartech's RS Batlio 5500 batteries represent the latest-generation solution for commercial and industrial photovoltaic storage. Designed to integrate seamlessly with RS Hybrid three-phase inverters, they combine safety, efficiency and flexibility, ensuring greater autonomy and intelligent control of the energy generated.

INNOVATION AND RELIABILITY

Each module has a capacity of 5.5 kWh and uses LFP (lithium iron phosphate) technology, which is synonymous with long life, high stability and maximum safety. The modules are connected in series, with capacity that can be scaled to suit the system's requirements.

COMPACT DESIGN AND SIMPLE INSTALLATION

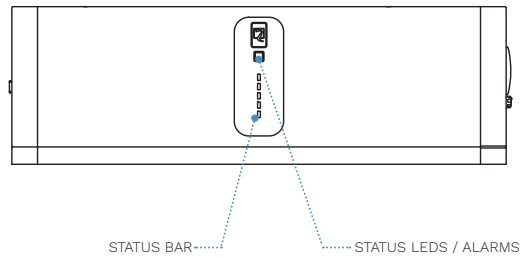
The RS Batlio 5500 units are lightweight, compact and easily stackable, making installation quick and flexible. Wiring kits are available for every inverter in the RS Hybrid Three-Phase range, ensuring simple and immediate integration. Each module is equipped with an integrated BMS, which constantly monitors and manages the charging process, protecting the battery and optimising its efficiency.

SCALABILITY AND SMART MANAGEMENT

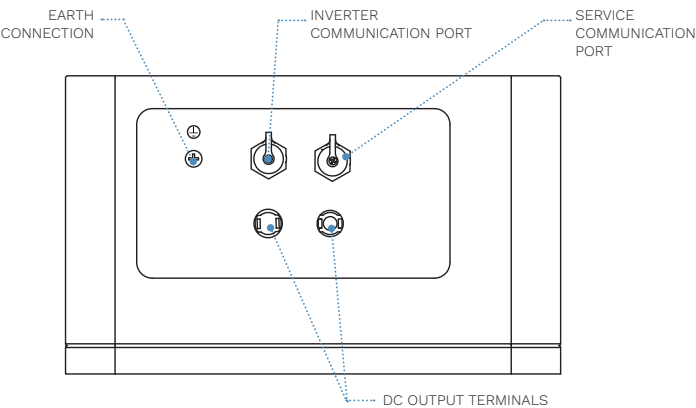
Each individual system can be configured with a minimum of two and a maximum of eight modules, achieving a total capacity of up to 44 kWh, ideal for medium and large-scale installations. The RS BOX55 HV management unit coordinates charging and energy distribution, ensuring maximum autonomy and the smart use of photovoltaic generation.

HV RS-BOX55 DETAILS

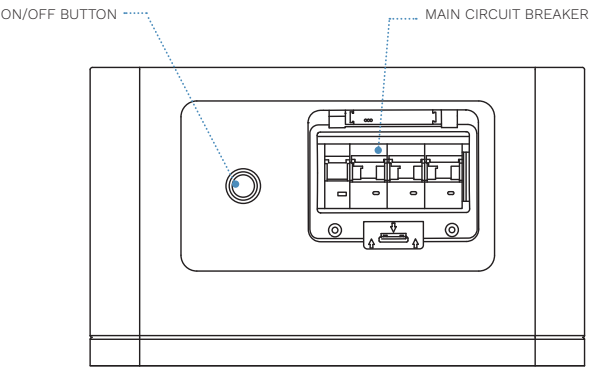
Front view



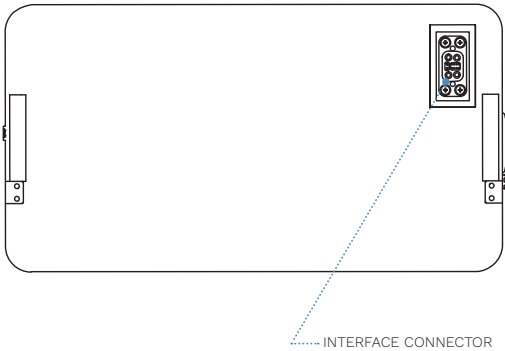
Left-hand side view



Right-hand side view

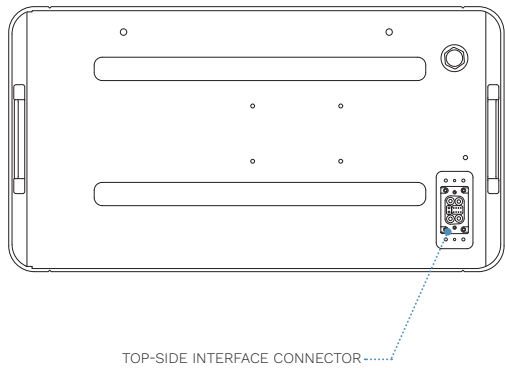


View from below

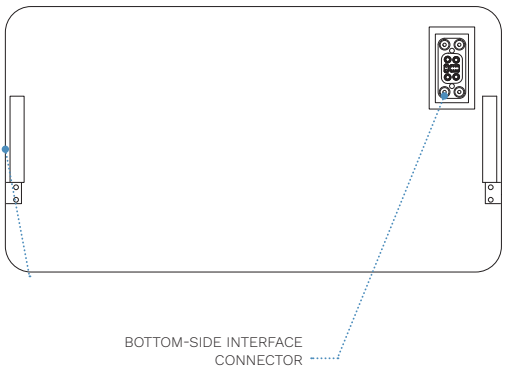


RS BATLIO 5500 BATTERY DETAILS

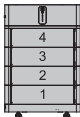
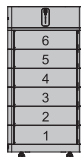
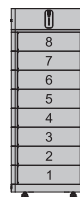
Top view



Bottom view



CONFIGURATIONS

CONFIGURATION							
	HV RS-BOX 55 + 2 BATTERIES	HV RS-BOX 55 + 3 BATTERIES	HV RS-BOX 55 + 4 BATTERIES	HV RS-BOX 55 + 5 BATTERIES	HV RS-BOX 55 + 6 BATTERIES	HV RS-BOX 55 + 7 BATTERIES	HV RS-BOX 55 + 8 BATTERIES
	LiFePO4, prismatic cells						
	72						
	5.5 kWh 76.8 V						
	2	3	4	5	6	7	8
	11	16.5	22	27.5	33	38.5	44
	10.45	15.68	20.9	26.12	31.35	36.6	41.8
Maximum charge and discharge current [A]	72 / 72						
Max continuous charge/discharge current [A]	60 / 60						
Max charge/discharge current (0.5C) [A]	36 / 36						
Nominal voltage [V]	153.6	230.4	307.2	384.0	460.8	537.6	614.4
Min/max operating voltage range [V]	129.6 / 175.2	194.4 / 262.8	259.2 / 350.4	324.0 / 438.0	388.8 / 525.6	441.6 / 624.0	518.4 / 700.8
Dimensions (WxDxH) [mm]	675x360x626	675x360x796	675x360x966	675x360x1136	675x360x1306	675x360x1476	675x360x1646
Net weight [kg]	127	176.5	226	275.5	325	374.5	424
Installation	Floor-mounted with wall anchoring						
Operating temperature [°C]	Charging: 0 ~ +55 / Discharging: -20 ~ +55						
Noise level [dB]	<35						
Humidity	5%-95% (non-condensing)						
Maximum altitude [m]	3000						
Cooling	Natural						
Communication interface	CAN, COM (for service use only)						
Standards	ROHS; Security: EN 62619, EN62477; EMC: EN 61000-6-1/2/3/4						
Transport certifications	UN38.3 / MSDS						
Degree of protection	IP65						
Life cycles	6000 (0.5C@ 25 °C, 90% DOD)						

RS BATLIO 5500 BATTERY

SPECIFICATIONS

Cell technology	72AH-LFP (prismatic)
Rated power [kWh]	5.5
Rated voltage [Vdc]	76.8
Rated capacity [Ah]	72
Number of cells	24
Operating voltage range [Vdc]	60÷87.6
Charging current (standard) [A]	60
Discharge current (standard) [A]	60
Charging current (maximum) [A]	72
Discharge current (maximum) [A]	72
Dimensions (WxDxH) [mm]	675x360x170
Communication	CAN
Ambient temperature [°C]	-20÷55
Degree of protection	IP65 (for assembled system)
Weight [kg]	49.5

