



## Powering Industry: Robust Energy Storage Solutions for Uninterrupted Operations.

The 1C Industrial String Battery Series is a high voltage 1C energy storage solution designed for demanding commercial and industrial applications. Using advanced **Lithium Iron Phosphate LiFePO<sub>4</sub>** chemistry, the range covers capacities from **36 kWh** to **133 kWh**, with nominal system voltages spanning from **345 Vdc** to **1267 Vdc**. This wide operating range enables straightforward integration into large scale power systems and microgrid installations.

Each system features a **modular architecture** with low-weight sub-modules and **string expandability**, allowing easy customization and scalability as your energy needs grow. The **3-tier BMS** ensures intelligent monitoring, seamless parallel connection, and exceptional system reliability, while **active cooling** and **integrated soft start** technology optimise performance under heavy loads.

Safety and reliability are at the core of every S1C05 battery with **touch-proof plugs**, **integrated DC disconnects**, **built-in fuses**, and continuous **isolation resistance monitoring**. Communication flexibility via **RS485**, **CAN**, and **Ethernet** makes integration effortless with advanced energy management and inverter systems.

With a cycle life exceeding **4,000 cycles**, **surge power up to 2C**, and a **10-year warranty**, the 1C Industrial String Battery Series is engineered for long-term durability, superior safety, and scalable performance making it the ideal backbone for microgrids and industrial facilities.

## INDUSTRIAL BATTERY SPECIFICATIONS

	S1C136	S1C149	S1C160	S1C172	S1C184	S1C196	S1C1108	S1C1120	S1C1133
Cell Chemistry	Lithium Iron Phosphate (LiFePO4)								
Nominal Voltage	345Vdc	460Vdc	576Vdc	691Vdc	806Vdc	921Vdc	1036Vdc	1152Vdc	1267Vdc
Operating Voltage	270-394 Vdc	360-525 Vdc	450-657 Vdc	540-788 Vdc	630-919 Vdc	720-1051 Vdc	810-1182 Vdc	900-1314 Vdc	990-1445 Vdc
Rated Capacity	36kWh	49kWh	60kWh	72kWh	84kWh	96kWh	108kWh	120kWh	133kWh
Nominal Power	1C								
Surge (Max) Power	2C								
Cycle Life	>4000 Cycles								
Modules	3	4	5	6	7	8	9	10	11
Ambient Operating Temperature	0 - 50C								
Storage Duration	6 Months @ 25C								
Weight	297kg	388kg	479kg	570kg	661kg	752kg	843kg	934kg	1025kg
Dimensions (LxDxH, mm)	460 x 570 x 1265	460 x 570 x 1585	460 x 570 x 1900	920 x 570 x 1265	920 x 570 x 1265	920 x 570 x 1585	920 x 570 x 1585	920 x 570 x 1900	920 x 570 x 1900
Communication	RS485   CAN   Ethernet								
Safety Features	Touch-Proof Plugs   Isolation Resistance Measurements   Integrated DC Disconnect   Integrated Fuses								
Features	3 Tier BMS for Easy Paralleling   Modular (Low Weight Sub-Modules)   String Expandable Integrated Soft Start   Active Cooling								
Warranty	10 Years								

## CONTACT US



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