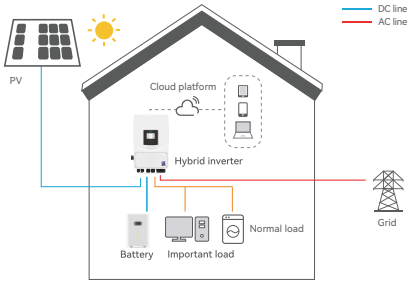
SOLSTICE

Energy storage battery
RS-B Max Heating Series

IP65 Wall-mounted / ground-mounted



5kWh/10kWh/16kWh
20kWh/30kWh





Features

Mobile Control

- Remote fault diagnosis, upgrade and maintenance
- OCV intelligent algorithm calibration ensures SOC accuracy

IP65 Dust and Water Protection

- IP65 protection rating, resist 200mm continuous heavy rain
- Dust-proof with desert-grade shield

High Performance

- Big capacity with small volume for household
- Cycle life ≥ 9000 cycles

Flexible Adaptability

- Quick and easy installation
- Modular design, expandable to 15 units in parallel

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PERFORMANCE SPECIFICATIONS

Model		RS-B5 Max-H	RS-B10-Max-H	RS-B16Max-H	RS-B20Max-H	RS-B30 Max-H
Battery Type		$LiFePO_4$				
Nominal Voltage		51.2				
Operating Voltage		44.8~58.4				
Capacity(Ah)		100	206	314	392	588
Nominal Energy(kWh)		5.12kWh	10.54kWh	16.07kWh	20.07kWh	30.10kWh
Max. Output Power(kW)		5.0	8.76	11.68	14.60	17.52
Charge Current(A)[3]	Recommend	50	100	157	180	250
	Max. Continuous	100	150	160	200	300
	Peak	120（10sec）	200（10sec）	280（10sec）	300（10sec）	350（10sec）
Discharge Current(A) [3]	Recommend	50	100	157	180	250
	Max. Continuous	120	180	230	300	350
	Peak	150（10sec）	250（10sec）	280（10sec）	350（10sec）	400（10sec）
Operating Temperature Range(℃)		Max Series: Charge: 0~55°C, Discharge: -20~55°C				
Operating Temperature Range(℃)		Max-H Series：Charge: -20~55°C (Heating On)Discharge: -20~55°C				
Cycle Life (@25℃,95%DOD)[3]		≥9000(70%EOL)				
Isolation Protection		Built-in Circuit Breaker				

PERFORMANCE SPECIFICATIONS

Weight(kg)		50	90	120	150	229
Dimension(W*D*H)		360*200*550	450*245*721	480*269*850	480*269*990	500*269*1035
Communication		CAN2.0, RS485, Bluetooth				
Installation Method		Wall-Mounted, Floor-Mounted				
Ingress Protection Rating/Enclosure Rating		IP65/NEMA 3R				

SECURITY AND CERTIFICATION

Safety(Pack)		UN38.3,MSDS,IEC62619(CB),CE-EMC,IEC63056				
Max. Energy RTE (DC) [1]		95%				
Storage Temperature		0°C~35°C/32°F~95°F				
Protection		BMS & Temperature Sensing Probe				

ENVIRONMENTAL SPECIFICATIONS

Relative Humidity		5%~95%≤90%(Non-condensing)				
Energy Throughput [5]		16MWh	32MWh	37MWh	64MWh	96MWh
Altitude(m)		≤3000m/9843ft				
Warranty Period[4]		10 years				

[1] DC usable energy，test conditions: 25℃±2℃，0.5C charge & discharge，90% DOD.System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Battery cell life standard，using cells that meet the requirements of this standard.

[4] **Conditions apply**, refer to Solstice Warranty Agreement.

Regional Specifications

RS-B Max Heating Series · United States · Europe · Africa

The RS-B Max battery is the same product in every market; what changes is the inverter it pairs with, the enclosure rating that applies and the units used on the datasheet.

	United States	Europe	Africa
Paired inverter (48 V low-voltage)	Split-phase 120/240 V · 60 Hz e.g. Solstice 7.6–12 kW SG02LP2-US	Three-phase 230/400 V · 50 Hz e.g. Solstice 5–20 kW SG05/SG06 LP3-EU	Three-phase 220/380 or 230/400 V · 50 Hz e.g. Solstice 5–20 kW SG05/SG06 LP3-EU
Enclosure rating	NEMA 3R	IP65	IP65
Pack certifications	UN38.3, IEC 62619 (CB), IEC 63056 UL 1973 / UL 9540A: contact Solstice for status	UN38.3, IEC 62619 (CB), CE-EMC, IEC 63056	UN38.3, IEC 62619 (CB), CE-EMC, IEC 63056
Recommended version	Max-H (heating) for cold states	Max-H (heating) for cold climates	Max series — operation up to 55 °C
Charging temperature	Max-H: -4 to 131 °F	Max-H: -20 to 55 °C	Max: 0 to 55 °C
Max. altitude	9,843 ft	3,000 m	3,000 m
Warranty	10 years (conditions apply, see Solstice Warranty Agreement)		

US units (imperial)

Model	RS-B5 Max-H	RS-B10 Max-H	RS-B16 Max-H	RS-B20 Max-H	RS-B30 Max-H
Nominal energy	5.12 kWh	10.54 kWh	16.07 kWh	20.07 kWh	30.10 kWh
Max. output power	5.0 kW	8.76 kW	11.68 kW	14.60 kW	17.52 kW
Weight	110 lb	198 lb	265 lb	331 lb	505 lb
Dimensions (W × D × H)	14.2 × 7.9 × 21.7 in	17.7 × 9.6 × 28.4 in	18.9 × 10.6 × 33.5 in	18.9 × 10.6 × 39.0 in	19.7 × 10.6 × 40.7 in
Discharge temperature	-4 to 131 °F (all models)				
Storage temperature	32 to 95 °F (all models)				

[1] Electrical data from the RS-B Max performance specifications in this document; imperial values are conversions of the metric figures.

[2] The RS-B Max operates at 44.8–58.4 V, inside the battery input range of the Solstice split-phase (40–60 V) and three-phase (41.6–58.4 V) hybrid inverters. Confirm inverter–BMS communication compatibility with the Solstice team before installation.

[3] Grid connection is made by the inverter; grid-code approval depends on each country and utility.

Smart APP

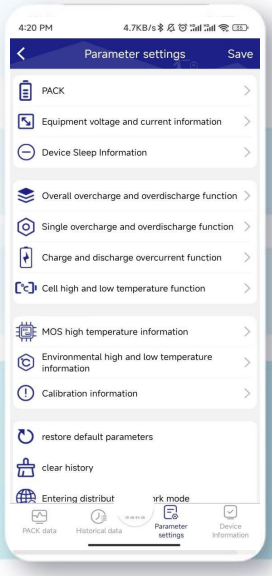


Local monitoring mode for battery

Bluetooth APP Monitoring

Low Power (Bluetooth LE)

Automated upgrade

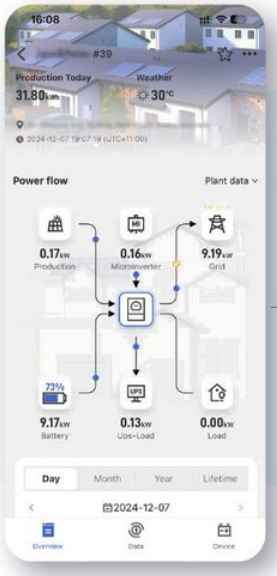


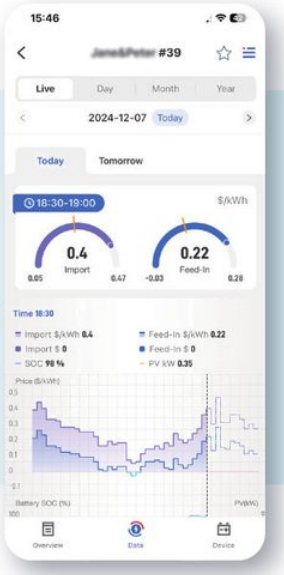
Quick Pairing

No Internet Needed

Portable Control

Remote monitoring mode for ESS(Deye Inverter&Battery)





- Real-time Equipment Monitoring
- Intelligent Charging/Discharging Strategies
- AI Data Analytics
- Customized Maintenance

Smarten Up Your Home Energy

Scan to visit Solstice and join us!

Embrace a seamless, effortless energy experience that's both ecofriendly and budget-friendly with our intelligent assistant