

## 592RSR51100A1 / RS-R51100A

### Powered 5.2Kw Solar battery storage unit

The RS-R51100A battery is intended for both commercial and residential applications, serving as a storage unit in photovoltaic systems. This 51.2V lithium (LiFePO<sub>4</sub>) system features a built-in BMS to optimize and extend its lifespan and service. It is versatile, operating in on-grid, back-up, and off-grid modes when paired with compatible inverters, allowing for the connection of multiple batteries for up to 160kWh of storage capacity. Compatible with various inverter brands such as Victron, SMA, Schneider; and more. Part Code: RS-R51100A. Nominal Voltage: 51.2V. Nominal Capacity: 100Ah. Nominal Energy: 5.12kWh. Total Cells: 16. MA. Voltage Range: 44.8V - 57.6V. Charge Voltage: 56V. Float Voltage: 54.6V. Recommended Charge Current: 50A. MA. Charge Current: 70A. Recommended Discharge Current: 50A. MA. Discharge Current: 100A. Communication: RS485/CAN. Peak Discharge Current: 101~119A@5mins | 120~149A@15S. IP Rating: IP65 (with suitable enclosure). Cycle Life: 15 Years. Net Weight: ~46kg (101.4lb). Dimensions (W\*H\*D): 482\*113.5\*460mm (18.9\*5.2\*18.1 inch). Cell Type: Lithium-iron Phosphate (LiFePO<sub>4</sub>). Operation Temperature: -10~50-C (14~122-F) \*\*Extended with heater option. Storage Temperature: -10~45-C (14~113-F). Relative Humidity: 5%~90%, No Condensation.



## Technical Specifications

Dimensions - Width	482mm
Bullet Point 1	built in BMS to optimise and maximise the lifespan
Bullet Point 2	The battery is a 51.2V lithium (LiFePo4) system
Bullet Point 3	multiple mounting and installation options t
Bullet Point 4	ability to connect multiple batteries to give up to 160Kwh of storage.
Colour	Black
Dimensions - Height	113.5mm
Dimensions - Length	460mm
Features - Extra Information	In Stock
Features - Fixings Included	No
Features - Knockouts Included?	No
General - CE Approved	Yes
General - Warranty	15 Year
Manufacturer	Power LED
Material	Mixed
Material & Finish - Colour	White
Number of Cores	1
Voltage	230v
also_need	154AAK41
Field18	A
Type	Battery Storage
Sales Unit	EA
related	154AAK41
WEBMOQ	1

## Other Images

## Branch Listings

### ALDERSHOT

Unit 5, Alpha Centre Alpha Road, Aldershot Hampshire GU12 4RG  
Tel: 01252 336 888

### CANTERBURY

Unit 2, Marshwood Industrial Estate, Marshwood Close, Canterbury CT1 1DX  
Tel: 01227 763 332

### KEMPSTON

Units 718, Singer Court, Woburn Road Industrial Estate, Kempston, Bedfordshire MK42 7AW  
Tel: 01234 840 066

### MIDDLESBROUGH

Wallis Road, Skippers Lane Industrial Estate, Middlesbrough TS6 6JB  
Tel: 01642 457 711

### READING

Ashmere Terrace, Loverock Road, Reading, Berkshire RG30 102  
Tel: 0118 950 7604

### WELWYN

40 Brownfields, Welwyn Garden City, Hertfordshire AL7 1AX  
Tel: 01707 326 344

### ASHFORD

Unit 6, Capel Close, Leacon Road, Fairwood Industrial Estate, Ashford, Kent TN23 4GY  
Tel: 01233 622 332

### CARLISLE

42, Millbrook Road, Kingstown Industrial Estate, Carlisle CA3 0EU  
Tel: 01228 522 266

### LEEDS

Unit 4, Stadium Way, Leeds LS11 DEW  
Tel: 0113 243 8114

### MORPETH

Coopies Lane, Coopies Lane Industrial Estate, Morpeth NE61 6JT  
Tel: 01670 511 254

### REDDITCH

66-68, Arthur Street, Redditch, Worc, B98 8JY  
Tel: 01527 510101

### WITNEY

Unit 4, Avenue 1, Station Lane, Witney, Oxon X28 4XZ  
Tel: 01993 700 735

### BIRMINGHAM

Unit B, Dartmouth Industrial Estate, Bracebridge Street, Birmingham, B6 4NE  
Tel: 0121 766 7273

### CASTLEFORD

Unit 2, Willowbridge Way, Off Willowbridge Lane, Castleford WF10 5NP  
Tel: 01977 604 550

### LEICESTER

Unit 5A, Pinfold Street, Thurmaston, Leicester LE4 BAS  
Tel: 0116 262 9951

### NEWARK

Abbott Way, Off Brunel Drive, Northern Road Industrial Estate Newark, Notts. NG24 2EL  
Tel: 01636 672 227

### SALE

Willans Trading Estate 55 Waverly Road Sale M33 7AY  
Tel: 01619694215

### Inner London HIGHBURY

Unit 3, Frogmore Industrial Estate, Kelvin Road, Highbury, London N5 2PL  
Tel: 020 7354 3245

### BLANDFORD

Unit 2D, Sunrise Business Park, Higher Shaftesbury Road, Blandford Forum, Dorset DT11 SST  
Tel: 01258 458123

### CHESTERFIELD

9-10, Carrwood Road, Chesterfield Trading Estate, Sheepbridge, Chesterfield, Derbyshire S41 9QB  
Tel: 01246 452284

### LETCHEWORTH

Unit 14 Amor Way Letchworth Herts. SG6 1UG  
Tel: 01462 686 731

### NEWBURY

Unit 4, London Road Industrial Estate, Faraday Road, Newbury, Berkshire RG14 2AO  
Tel: 01635 551 224

### SHEFFIELD

104, Hollywell Road, Sheffield S4 BAS  
Tel: 0114 243 0118

### PECKHAM

Unit 4, Devon Street, Peckham, London SE15 1JR  
Tel: 020 7358 0401

### BOLTON

Unit H, Bolton Central Industrial Estate, St. Mark's Street, Bolton BL3 6NR  
Tel: 01204 366 601

### CHORLEY

Unit 3C, Eaton Avenue, Buckshaw Village, Chorley PR7 7NA  
Tel: 01257 446811

### LIVERPOOL

Unit 1, Gibraltar Row, Liverpool L3 7HJ  
Tel: 0151 709 3154

### NEWCASTLE-UPON-TYNE

Units 7 & 8, Brough Park Way, Newcastle-Upon-Tyne NE6 2YF  
Tel: 0191 224 5924

### SLOUGH

348, Edinburgh Avenue, Slough Trading Estate, Slough, Berkshire SL1 4TU  
Tel: 01753 871 700

### Greater London EDGWARE

151, Deans Lane, Edgware, Middlesex HAS 9NY  
Tel: 020 8959 0277

### BRACKNELL

The Western Centre, Western Road, Bracknell, Berkshire RG12 1RW  
Tel: 01344 485 330

### CHRISTCHURCH

Unit 15, Avon Trading Park, Reid Street, Christchurch, Dorset BH23 2BT  
Tel: 01202 488080

### LOUGHBOROUGH

Unit 7, Beazer Industrial Estate, Belton Road West, Loughborough LE11 5TR  
Tel: 01509 216 969

### NORTHALLERTON

Standard Way Yafforth Raad Northallerton OL6 2XE  
Tel: 01609 779 676

### STOKE- ON-TRENT

Unit C1, Sneyd Hill Trading Estate, Burslem, Stoke-on-Trent ST6 2EB  
Tel: 01782 839 938

### ENFIELD

Unit 4, Watermill Business Centre, Millmarsh Lane, Enfield, Middlesex EN3 7XF  
Tel: 020 8805 9696

### BRIDPORT

Unit 3, Hounsell Building, Northmills Trading Estate, Bridport, Dorset DT6 3BE  
Tel: 01308 800456

### FROME

Unit L16, New Enterprise zone Commerce Park Frome BA11 2FB  
Tel: 01373 480 300

### LYE

Unit 10, Providence Industrial Estate, Providence Drive, Lye, Stourbridge DY9 BHQ  
Tel: 01384 892 444

### NORTHAMPTON

Unit 28, Ross Road Business Centre, Weedon Road, Northampton NN5 5AX  
Tel: 01604 754224

### STRATFORD-UPON-AVON

Industrial Estate, Stratford-upon-Avon, Warwickshire CV37 0HR  
Tel: 01789 292 705

### HAYES

Special Products Division, Units 9/10, Hexagon Business Centre Springfield Road Hayes Middlesex UB4 0TH  
Tel: 020 8606 3567

### BRIGHTON

Unit 6, Grange Industrial Estate, Southwick, Brighton, West Sussex BN42 4EN  
Tel: 01273 870 033

### HIGH WYCOMBE

Halfax Road, Cressex Industrial Estate, High Wycombe, Bucks. HP12 3SN  
Tel: 01494 459 933

### MAIDSTONE

Unit 2, Heronden Road, Parkwood Industrial Estate, Maidstone, Kent ME15 9YR  
Tel: 01622 683 731

### NOTTINGHAM

Unit 2, Marris Court, Private Road No3, Colwick Industrial Estate, Nottingham, N4 2JN  
Tel: 0115 958 1821

### STROOD

Unit 3, Newlands Knights Road, Strood Rochester, Kent ME2 2AH  
Tel: 01634 291 414

### ISLEWORTH

Unit 142X, Clocktower Road Industrial Estate, Isleworth, Middlesex TW7 6OT  
Tel: 020 8569 7823

### BURNLEY

Unit 3, Phoenix Way, Smallshaw Industrial Estate, Accrington Road, Burnley, Lancashire BB11 5SX  
Tel: 01282 414142

### HORSHAM

Unit 6, Parsonage Business Park, Horsham, West Sussex RH12 4AL  
Tel: 01403 243 933

### MALTON

Unit 26, Seph Way, York Road Industrial Estate, Malton, North Yorks. YO17 6YF  
Tel: 01653 695170

### OXFORD

Unit 2, Trade City, Sandy Lane, West Oxford OX4 6JU  
Tel: 01865 777181

### SUNDERLAND

Units 9a & 9b, Carrmere Road, Leechmere Industrial Estate, Sunderland SR2 9TE  
Tel: 0191 521 8972

### SUNBURY

355, Staines Road West, Ashford Common, Sunbury, Middlesex TW15 1RP  
Tel: 01784 251 051

### BURY

Rear of 1-7, Taylor Street, Bury, Lancashire BL9 6OT  
Tel: 0161 764 5437

### HUNTINGDON

Unit 9, Cirrus, Glebe Road, Huntingdon PE29 7OL  
Tel: 01480 433 580

### MANSFIELD

8, Kings Mill Way, Hermitage Lane Industrial Estate, Mansfield, Notts. NG18 5ER  
Tel: 01623 422 644

### POOLE

Unit A, 1 Willis Way, Poole, Dorset BH15 3SS  
Tel: 01202 666766

### WARRINGTON

Unit 2, Gatewath Industrial Estate, Barnard Street, Warrington WA5 1DD  
Tel: 01925 243 388

### SUTTON

Unit 4, Four Seasons, Crescent Kimpton Road, Sutton, Surrey SM3 9QR  
Tel: 020 8641 6482

### WEST WICKHAM

96, Station Road, West Wickham, Kent BR4 0PX  
Tel: 020 8402 4870