



LITHIUM BATTERY CATALOG





COMPANY PROFILE

Anhui Sunrange New Energy Technology Co., Ltd. was established in 2015. We are an innovative company dedicated to the research, development and production of renewable energy.

Building a decarbonized and sustainable energy system is a common challenge facing the world. We are a global solar module manufacturing company. With the concept of "renewable energy is the future", and provides integration residential, commercial and industrial energy system solutions for customers such as off grid, grid tie and hybrid grid customized proposal.

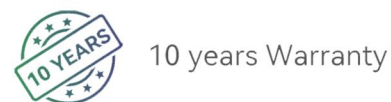
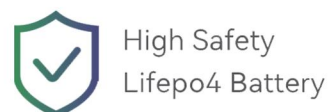
Wall Mounted

Low Voltage 48V Lithium Battery Pack



SRW-100/200-15S

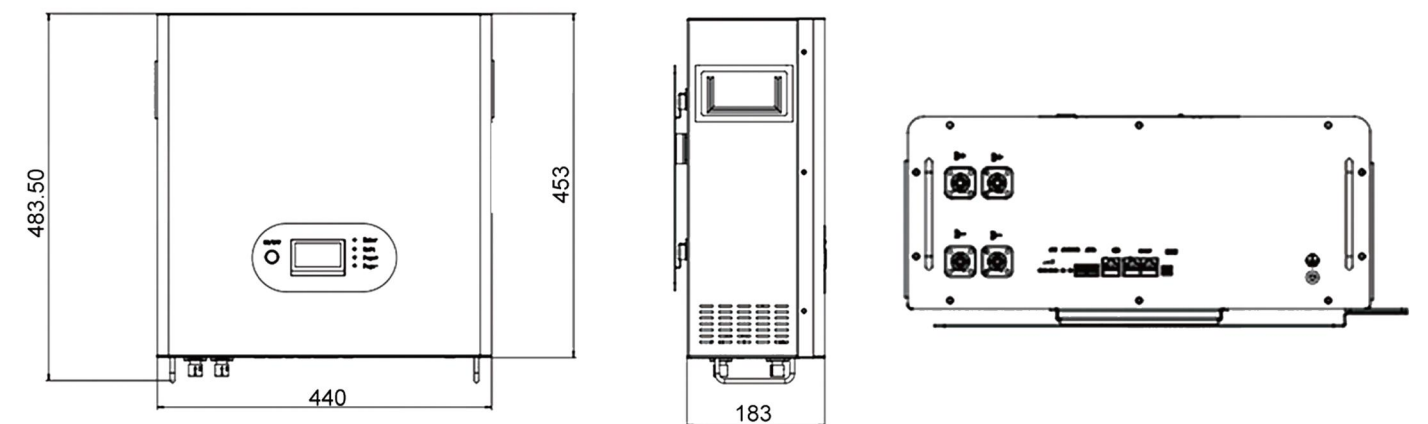
Measured capacity>Nominal capacity+5%



SRW-100/200-15S

Performance Parameter

Model No	SRW-100-15S	SRW-200-15S
Nominal Voltage (VDC)	48	48
Nominal Capacity (AH)	100	200
Nominal Capacity (WH)	4800	9600
Usable Capacity (WH)	4320	8640
Discharge Voltage (V)	43.5	43.5
Charge Voltage (V)	52.5	52.5
Recommend Charge/ Discharge Current (A)	50	100
Max.Charge/ Discharge Current(A)	100(3S)	200(3S)
Communication	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth(Optional)
Working Temperature	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃
Humidity	10%-80%	10%-80%
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS
Design Life	10 Years+	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%	>20%
Dimension	440*453*183MM	440*804*196MM
Weight	49.5KG	99KG



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Wall Mounted

Low Voltage 51.2V Lithium Battery Pack



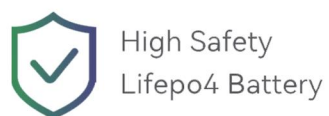
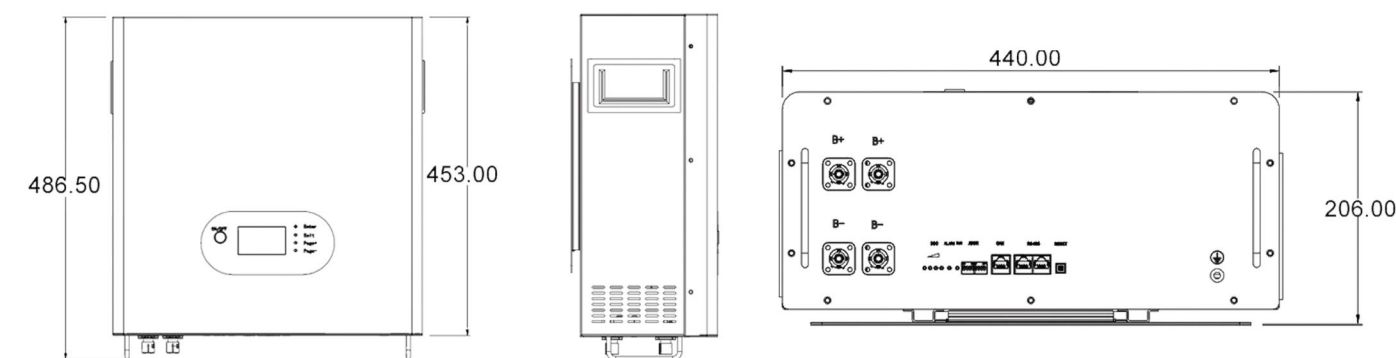
SRW-100\200\280-16S

Measured capacity>Nominal capacity+5%

SRW-100\200\280-16S

Performance Parameter

Model No	SRW-100-16S	SRW-200-16S	SRW-280-16S
Nominal Voltage (VDC)	51.2	51.2	51.2
Nominal Capacity (AH)	100	200	280
Nominal Capacity (WH)	5120	10240	14336
Usable Capacity (WH)	4608	9216	12902.4
Discharge Voltage (V)	46	46	46
Charge Voltage (V)	56	56	56
Recommend Charge/ Discharge Current (A)	50	100	140
Max.Charge/ Discharge Current(A)	100 (3S)	200 (3S)	280 (3S)
Communication	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth(Optional)
Working Temperature	0-40℃	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃	-20-70℃
Humidity	10%-80%	10%-80%	10%-80%
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS
Design Life	10 Years+	10 Years+	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%	>20%	>20%
Dimension	440*453*206MM	440*804*196MM	631*473*266MM
Weight	52KG	104KG	115KG



High Safety
Lifepo4 Battery



10 years Warranty



Multi-level
of Protection



High Energy Density



Support RS485 and
CAN Communication



Intelligent
Built-in BMS

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Roller

Low Voltage 51.2V Lithium Battery Pack



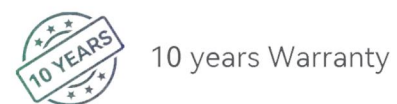
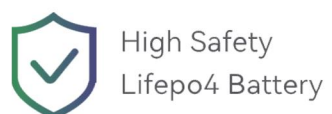
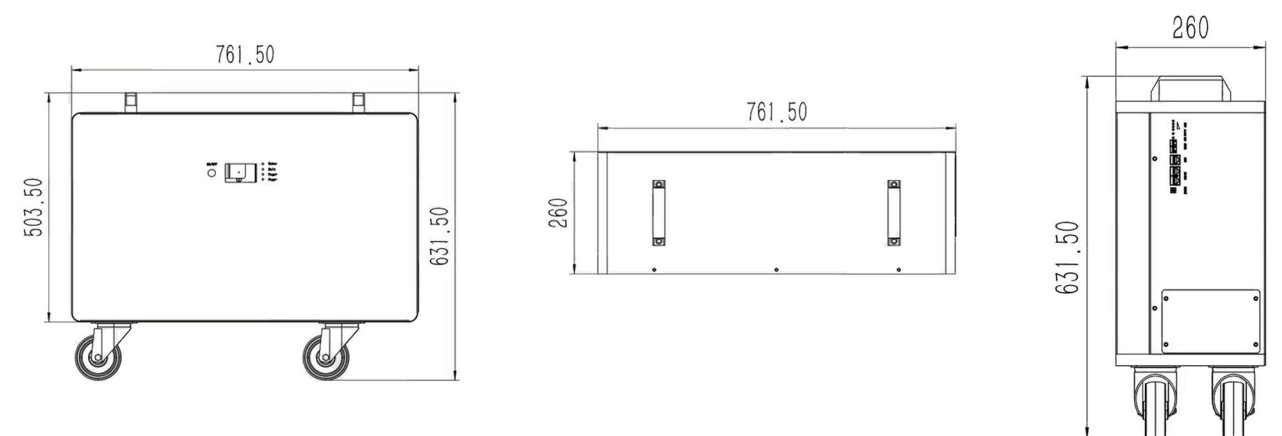
SRL-280-16S

Measured capacity>Nominal capacity+5%

SRL-280-16S

Performance Parameter

Model No	SRL-280-16S
Nominal Voltage (VDC)	51.2
Nominal Capacity (AH)	280
Nominal Capacity (WH)	14336
Usable Capacity (WH)	12902.4
Discharge Voltage (V)	44.8
Charge Voltage (V)	57.6
Recommend Charge/ Discharge Current (A)	140
Max.Charge/ Discharge Current(A)	200(3S)
Communication	RS485/CAN/Bluetooth(Optional)
Working Temperature	0-40℃
Storage Temperature	-20-70℃
Humidity	15%-80%
Certification	CE/IEC/UN38.3/MSDS
Design Life	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%
Dimension	761*260*631mm
Weight	110KG



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Stacked

Low Voltage 51.2V Lithium Battery Pack



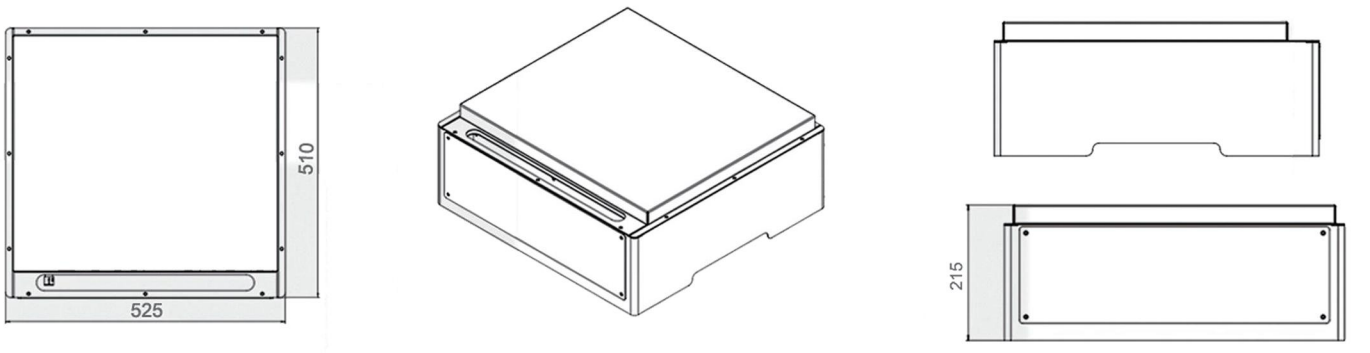
SRS-100-16S

Measured capacity>Nominal capacity+5%

SRS-100-16S

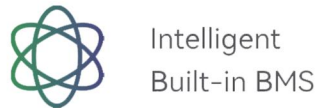
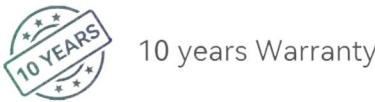
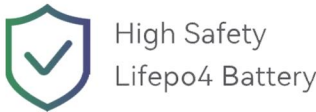
Performance Parameter

Model No	SRS-100-16S
Nominal Voltage (VDC)	51.2
Nominal Capacity (AH)	100
Nominal Capacity (WH)	5120
Usable Capacity (WH)	4608
Discharge Voltage (V)	46
Charge Voltage (V)	56
Recommend Charge/ Discharge Current (A)	50
Max.Charge/ Discharge Current(A)	100(3S)
Communication	RS485/CAN/Bluetooth(Optional)
Working Temperature	0-40℃
Storage Temperature	-20-70℃
Humidity	10%-80%
Certification	CE/IEC/UN38.3/MSDS
Design Life	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%
Dimension	525*510*215mm
Weight	56.7KG



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Rack Mounted

Low Voltage 25.6V Lithium Battery Pack



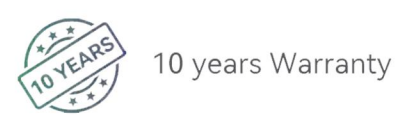
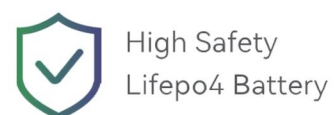
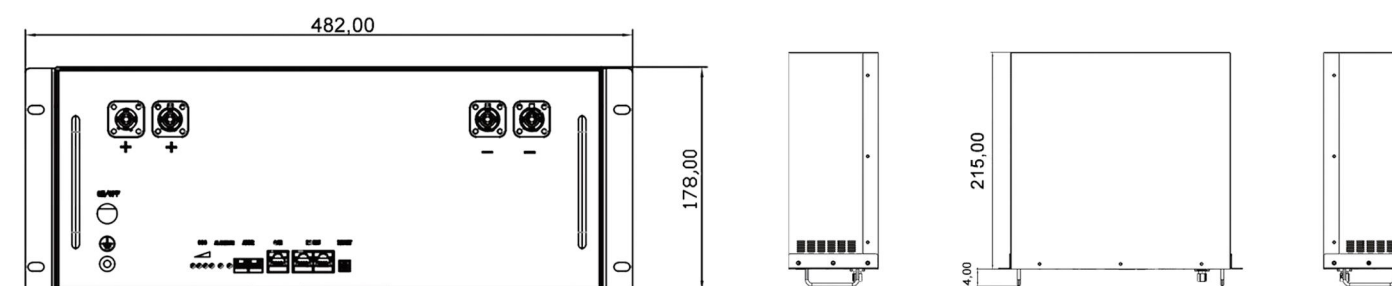
SRR-100\200-8S

Measured capacity>Nominal capacity+5%

SRR-100\200-8S

Performance Parameter

Model No	SRR-100-8S	SRR-200-8S
Nominal Voltage (VDC)	25.6	25.6
Nominal Capacity (AH)	100	200
Nominal Capacity (WH)	2560	5120
Usable Capacity (WH)	2304	4608
Discharge Voltage (V)	23	23
Charge Voltage (V)	28	28
Recommend Charge/ Discharge Current (A)	50	50
Max.Charge/ Discharge Current(A)	100(3S)	200(3S)
Communication	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth(Optional)
Working Temperature	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃
Humidity	10%-80%	10%-80%
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS
Design Life	10 Years+	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%	>20%
Dimension	482*215*178MM	482*463*178MM
Weight	28.2KG	47.9KG



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Rack Mounted

Low Voltage 48V Lithium Battery Pack



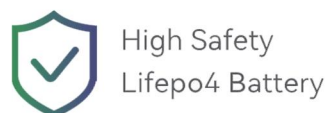
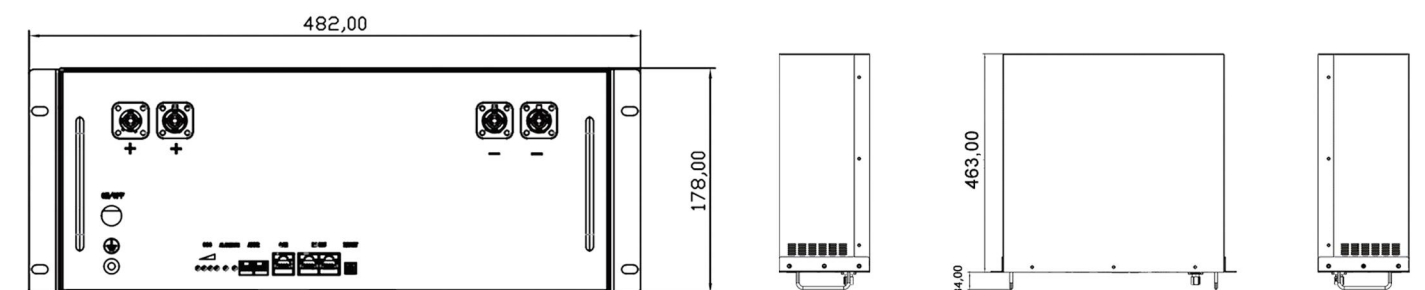
SRR-50\100\150\200-15S

Measured capacity>Nominal capacity+5%

SRR-50\100\150\200-15S

Performance Parameter

Model No	SRR-50-15S	SRR-100-15S	SRR-150-15S	SRR-200-15S
Nominal Voltage (VDC)	48	48	48	48
Nominal Capacity (AH)	50	100	150	200
Nominal Capacity (WH)	2400	4800	7200	9600
Usable Capacity (WH)	2160	4320	6480	8640
Discharge Voltage (V)	45.5	43.5	43.5	43.5
Charge Voltage (V)	51.5	52.5	52.5	52.5
Recommend Charge/ Discharge Current (A)	25	50	75	100
Max.Charge/ Discharge Current(A)	50 (3S)	100 (3S)	150 (3S)	110 (3S)
Communication	RS485/CAN	RS485/CANBluetooth(Optional)	RS485/CANBluetooth(Optional)	RS485/CANBluetooth(Optional)
Working Temperature	-20~70C(25C)	0~40℃	0~40℃	0~40℃
Storage Temperature	-40~85C(25C)	-20~70℃	-20~70℃	-20~70℃
Humidity	10%-85%	10%-80%	10%-80%	10%-80%
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS
Design Life	10 Years+	10 Years+	10 Years+	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%	>20%	>20%	>20%
Dimension	440*400*133MM	482*463*178MM	482*600*178MM	482*809*178MM
Weight	27KG	46KG	68KG	90KG



High Safety
Lifepo4 Battery



10 years Warranty



Multi-level
of Protection



High Energy Density



Support RS485 and
CAN Communication



Intelligent
Built-in BMS

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Rack Mounted

Low Voltage 51.2V Lithium Battery Pack



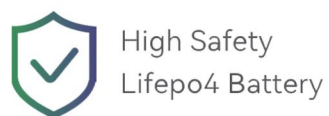
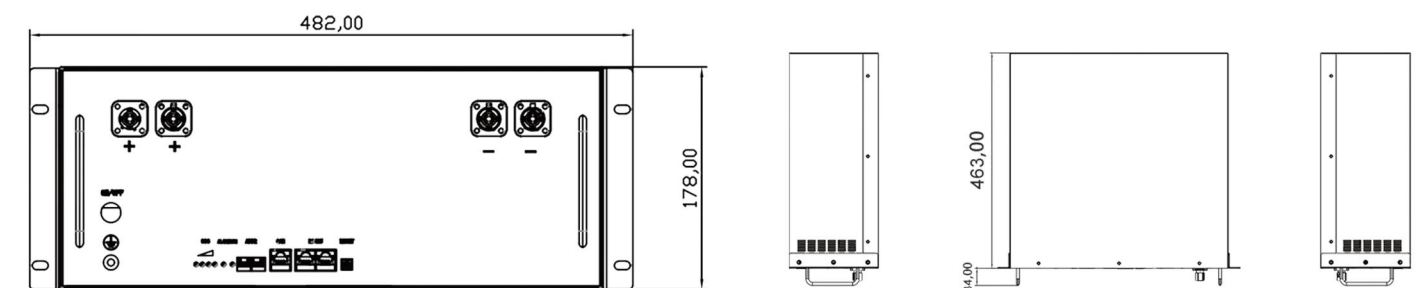
SRR-100\200-16S

Measured capacity>Nominal capacity+5%

SRR-100\200-16S

Performance Parameter

Model No	SRR-100-16S	SRR-200-16S
Nominal Voltage (VDC)	51.2	51.2
Nominal Capacity (AH)	100	200
Nominal Capacity (WH)	5120	10240
Usable Capacity (WH)	4608	9216
Discharge Voltage (V)	46	46
Charge Voltage (V)	56	56
Recommend Charge/ Discharge Current (A)	50	100
Max.Charge/ Discharge Current(A)	100(3S)	200(3S)
Communication	RS485/CAN/Bluetooth(Optional)	RS485/CAN/Bluetooth(Optional)
Working Temperature	0-40℃	0-40℃
Storage Temperature	-20-70℃	-20-70℃
Humidity	10%-80%	10%-80%
Certification	CE/IEC/UN38.3/MSDS	CE/IEC/UN38.3/MSDS
Design Life	10 Years+	10 Years+
Cycle Life	≥6000@90%DOD(25±5℃)	≥6000@90%DOD(25±5℃)
Electrical Design Redundancy	>20%	>20%
Dimension	482*463*178MM	482*627*178MM
Weight	48.2KG	95KG



High Safety
Lifepo4 Battery



10 years Warranty



Multi-level
of Protection



High Energy Density



Support RS485 and
CAN Communication



Intelligent
Built-in BMS

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High Volage Lithium-Ion Phosphate Battery storage system

Battery Module : SR25.6V200AH



ModuleSR25.6V200AH-H	
Basic Parameters	
Capacity(kWh)	5.12
Nominal Voltage(Vdc)	25.6
Nominal Capacity(AH)	200
Voltage Range(Vdc)	21.6~28.8
Depth of Discharge	80%
Dimension(W* D* H,mm)	440*442*179
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	48
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	UN38.3

Main Controller : SR1000V250A



ModuleSR1000V250A	
Basic Parameters	
Related Product	1000V250A
AC Supply	—
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	250
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	440*442*179
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

Protection and Alarm

Charge/Discharge End
Charge Over Voltage
Charge/Discharge Over Current
High/Low Temperature
Operation Record
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.

Management and Monitor

Cells Balance
Intelligent Charge Model
Capacity Retention Calculate
Isolation and Protection
Alarm and Protection

High Volage Lithium Phosphate Battery storage system

Battery Module : SR51.2V100Ah-H



Module	SR51.2V100AH-H
Basic Parameters	
Capacity(kWh)	5.12
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	100
Voltage Range(Vdc)	44.8~57.6
Depth of Discharge	80%
Dimension(W* D* H,mm)	440*442*179
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	48
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	UN38.3

Main Controller : SR1000V250A



Module	SR1000V250A
Basic Parameters	
Related Product	1000V250A
AC Supply	—
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	250
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	440*442*179
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

Protection and Alarm

Charge/Discharge End
Charge Over Voltage
Charge/Discharge Over Current
High/Low Temperature
Operation Record
Administrator Monitor: Current,
Voltage, Temperature, SOC&SOH.

Management and Monitor

Cells Balance
Intelligent Charge Model
Capacity Retention Calculate
Isolation and Protection
Alarm and Protection

High Volage Lithium-Ion Phosphate Battery storage system51.2V280Ah



Module	51.2V280AH(0.5C)
Basic Parameters	
Capacity(kWh)	14.336
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	280
Voltage Range(Vdc)	44.8~56.8
Depth of Discharge	90%
Di mension(W* D* H,mm)	885mm*434mm*238.2mm (±5)
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	108kg±3kg
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	UN38.3

Main Controller : 1500V200A



Module	1500V200A
Basic Parameters	
Related Product	1500V200A
AC Supply	—
System Operation Voltage (Vdc)	0~1500
Operation Current (Max.) (A)	200
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	885mm*434mm*238.2mm (±5)
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

Protection and Alarm	Management and Monitor
Charge/Discharge End	Cells Balance
Charge Over Voltage	Intelligent Charge Model
Charge/Discharge Over Current	Capacity Retention Calculate
High/Low Temperature	Isolation and Protection
Operation Record	Alarm and Protection
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.	

High Volage Lithium-Ion Phosphate Battery storage system51.2V314Ah



Module	51.2V314AH(0.5C)
Basic Parameters	
Capacity(kWh)	16.0768
Nominal Voltage(Vdc)	51.2
Nominal Capacity(AH)	314
Voltage Range(Vdc)	44.8~56.8
Depth of Discharge	90%
Di mension(W* D* H,mm)	885mm*434mm*238.2mm (±5)
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	110kg±3kg
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	UN38.3

Main Controller : 1500V200A



Module	1500V200A
Basic Parameters	
Related Product	1500V200A
AC Supply	—
System Operation Voltage (Vdc)	0~1500
Operation Current (Max.) (A)	200
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	885mm*434mm*238.2mm (±5)
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMSFunction

Protection and Alarm	Management and Monitor
Charge/Discharge End	Cells Balance
Charge Over Voltage	Intelligent Charge Model
Charge/Discharge Over Current	Capacity Retention Calculate
High/Low Temperature	Isolation and Protection
Operation Record	Alarm and Protection
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.	

High Voltage Lithium-Ion Phosphate Battery storage system

76.8V120AH



Module	76.8V120AH
Basic Parameters	
Capacity(kWh)	9.216
Nominal Voltage(Vdc)	76.8
Nominal Capacity(AH)	120
Voltage Range(Vdc)	67.2~86.4
Depth of Discharge	90%
Dimension(W* D* H,mm)	468×642×202 (±5)
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	86g± 1kg
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	UN38.3

Main Controller : 1000V200A



Module	1000V200A
Basic Parameters	
Related Product	1000V200A
AC Supply	
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	200
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	468mm*642mm*200mm (±5)
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65℃
Storage Temperature	-40~80℃

BMS Function

Protection and Alarm	Management and Monitor
Charge/Discharge End	Cells Balance
Charge Over Voltage	Intelligent Charge Model
Charge/Discharge Over Current	Capacity Retention Calculate
High/Low Temperature	Isolation and Protection
Operation Record	Alarm and Protection
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.	

High Voltage Lithium-Ion Phosphate Battery storage system

38.4V240AH



Module	38.4V240AH
Basic Parameters	
Capacity(kWh)	9.216
Nominal Voltage(Vdc)	38.4
Nominal Capacity(AH)	240
Voltage Range(Vdc)	33.6~43.2
Depth of Discharge	90%
Di mension(W* D* H,mm)	468×642×202 (±5)
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	86g± 1kg
Operation Temperature	0~50 ℃
Storage Temperature	-20~60 ℃
Product Certificate	UN38 .3

Main Controller : 1000V200A



Module	1000V200A
Basic Parameters	
Related Product	1000V200A
AC Supply	
System Operation Voltage (Vdc)	0~1000
Operation Current (Max.) (A)	200
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	468mm*642mm*200mm (±5)
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65℃
Storage Temperature	-40~80℃

BMS Function

Protection and Alarm	Management and Monitor
Charge/Discharge End	Cells Balance
Charge Over Voltage	Intelligent Charge Model
Charge/Discharge Over Current	Capacity Retention Calculate
High/Low Temperature	Isolation and Protection
Operation Record	Alarm and Protection
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.	

High Voltage Lithium-Ion Phosphate Battery storage system 143.6V280Ah(Liquid cooling)



Module	153.6V280AH(0.5C)
Basic Parameters	
Capacity(kWh)	43.008
Nominal Voltage(Vdc)	143.6
Nominal Capacity(AH)	280
Voltage Range(Vdc)	134.4~170.4
Depth of Discharge	90%
Dimension(W* D* H,mm)	810*1084*250
Design Life	15+ years (25℃)
Cycle Life	> 6000 (25℃)
Communication	CANBUS/Modbus RTU/TCP/IP
Protection Class	IP20
Weight(kg)	300kg±3kg
Operation Temperature	0~50℃
Storage Temperature	-20~60℃
Product Certificate	UN38.3

Main Controller : 1500V200A



Module	1500V200A
Basic Parameters	
Related Product	1500V200A
AC Supply	---
System Operation Voltage (Vdc)	0~1500
Operation Current (Max.) (A)	200
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	885mm*434mm*238.2mm(±5)
Communication	MODBUS RTU/CAN
Protection Class	IP20
Weight(kg)	20
Operation Life	15+
Operation Temperature	-20~65
Storage Temperature	-40~80

BMS Function

Protection and Alarm	Management and Monitor
Charge/Discharge End	Cells Balance
Charge Over Voltage	Intelligent Charge Model
Charge/Discharge Over Current	Capacity Retention Calculate
High/Low Temperature	Isolation and Protection
Operation Record	Alarm and Protection
Administrator Monitor: Current, Voltage, Temperature, SOC&SOH.	



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