

SANDISOLAR

PRODUCT MANUAL



SANDISOLAR

Empower new energy to better benefit mankind

ADDRESS & HOTLINE

Product

① Sandisolar

② Sandisolar Inverter
③ Sandisolar Power Supply

Project

④ Project Solution

⑤ Project Case
⑥ Project Reference

⑦ Project Solution

⑧ Project Case
⑨ Project Reference

⑩ Project Solution

⑪ Project Case
⑫ Project Reference

⑬ Project Solution

⑭ Project Case
⑮ Project Reference

About SANDISOLAR

SANDISOLAR was established in 2000 to offer technical support and services to companies involved in the design, construction, operation and maintenance of solar energy systems. Since then, the company has developed a wide range of services, from consulting, engineering, financing, procurement and construction of solar energy management systems. SANDISOLAR has positioned itself as one of the main energy solutions providers and leaders, offering products, services and integrated energy solutions covering the entire "value chain" from the design to the delivery of energy to thousands of clients.

200⁺
clients

500⁺
clients

100⁺
clients

3000⁺
systems

20000⁺m²
installed

We have been a large network of clients interested in solar energy and have more than 2000 customers located in over 30 countries, which include the following: France, Spain, Portugal, Italy, Mexico, Peru, Chile, Costa Rica, Paraguay, Argentina, Uruguay and Brazil. We offer a range of services from consulting, engineering, financing, procurement, construction, operation and maintenance providing customers a turnkey service.

SANDISOLAR





Solar Mall In Mandalay

Introducing the first Solar Mall in
Mandalay, featuring a modern design,
state-of-the-art facilities, and a variety of
sustainable products.



Solar Mall In Yangon

The All-New Sustainable Mall. Come Discover
the Future of Sustainable Retail Experience.



New Energy Mall

Discover the future of energy efficiency.
Renewable energy solutions.



EV Charging Station

Introducing the first EV charging station
in Mandalay, featuring fast charging times
and a modern, sleek design.



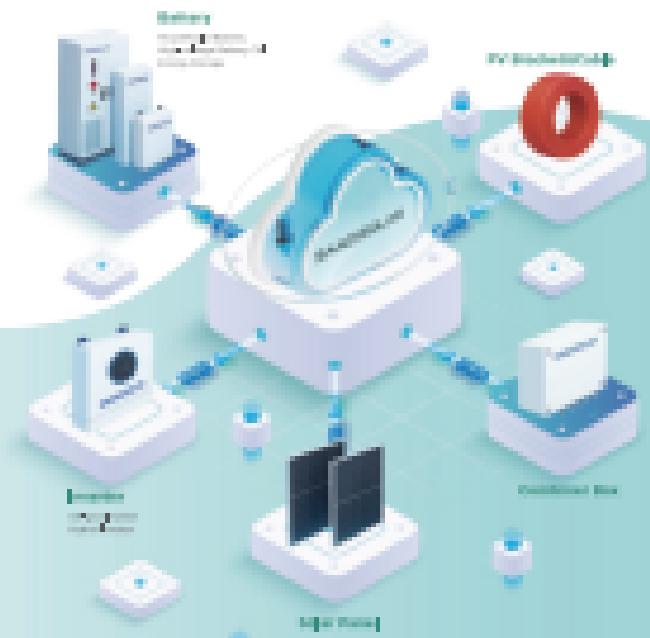
SANDISOLAR

CORE PRODUCT MATRIX

Integrated Solutions with PV Modules,
Inverters (ESS, Parking & Cells),
and Smart Grid/Energy Storage

“3+2”

Solar Eco Chain



595W



SD-C10M595-72H-V

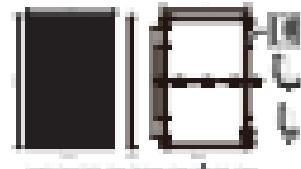
N-Type 580-595W

PERC Heterojunction



DATA SHEET

1. PRODUCT OVERVIEW



2. PRODUCT SPECIFICATIONS

Parameter	Value	Unit	Description
Panel Type	Monocrystalline		
Cell Type	N-type		
Cell Structure	PERC Heterojunction		
Cell Count	72		
Cell Area (mm²)	144	mm²	
Panel Area (mm²)	10224	mm²	
Panel Weight (kg)	18.5	kg	
Panel Thickness (mm)	3.2	mm	
Panel Efficiency (%)	21.5	%	
Panel Tolerance (%)	<+/- 2%	%	
Panel Color	Black		
Frame Color	White		
Panel Orientation	Portrait		
Panel Mounting	Standard		
Panel Certification	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001		
Panel Warranty	25 years	years	
Panel Dimensions (mm)	1300 x 660 x 32	mm	
Panel Weight (kg)	18.5	kg	
Panel Thickness (mm)	3.2	mm	
Panel Certification	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001		
Panel Warranty	25 years	years	

3. PRODUCT FEATURES

Feature	Description
Cell Type	N-type
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Panel Certification	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001
Panel Warranty	25 years

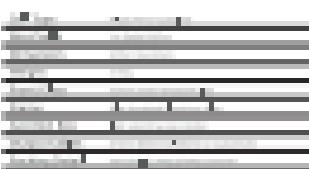
4. PRODUCT BENEFITS

Benefit	Description
High Efficiency	21.5% panel efficiency.
Long Lifespan	25-year product warranty.
Reliable Performance	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001 certified.
Cost-Effective	Competitive price-to-performance ratio.



DATA SHEET

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Frame Color	White		
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Panel Mounting	Standard		
Panel Certification	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001		
Panel Warranty	25 years	years	

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Panel Mounting	Standard		
Panel Certification	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001		
Panel Warranty	25 years	years	

3. PRODUCT FEATURES

Feature	Description
Cell Type	N-type
Cell Structure	PERC Heterojunction
Cell Count	72
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Panel Area (mm²)	10224
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Panel Color	Black
Frame Color	White
Panel Orientation	Portrait
Panel Mounting	Standard
Panel Certification	IEC 61215, IEC 61730, UL 1703, TUV, CE, ISO 9001, ISO 14001, OHSAS 18001
Panel Warranty	25 years

595W



SD-JMS595N-144M

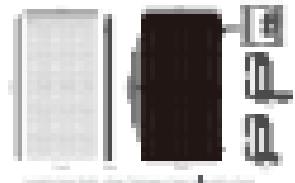
N-Type 580-595W

PERC Heterojunction Technology



Technical Data

Product Overview



Performance Data

Parameter	Value
Panel Type	Monocrystalline
Cell Type	N-Type
Cell Count	144
Panel Efficiency	22.5%
Peak Power (W)	595W
Open Circuit Voltage (V)	45.0V
Short Circuit Current (A)	14.5A
Maximum Power Voltage (V)	40.0V
Maximum Power Current (A)	14.0A
Power Tolerance	±3%
Temperature Coefficient of Pmax	-0.35%
Temperature Coefficient of Voc	-0.25%
Temperature Coefficient of Isc	+0.05%
Temperature Coefficient of Noc	+0.05%
Series Resistance	<0.5Ω
Parallel Resistance	<0.05Ω
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V

Electrical Characteristics

Parameter	Value
Panel Type	Monocrystalline
Cell Type	N-Type
Cell Count	144
Panel Efficiency	22.5%
Peak Power (W)	595W
Open Circuit Voltage (V)	45.0V
Short Circuit Current (A)	14.5A
Maximum Power Voltage (V)	40.0V
Maximum Power Current (A)	14.0A
Power Tolerance	±3%
Temperature Coefficient of Pmax	-0.35%
Temperature Coefficient of Voc	-0.25%
Temperature Coefficient of Isc	+0.05%
Temperature Coefficient of Noc	+0.05%
Series Resistance	<0.5Ω
Parallel Resistance	<0.05Ω
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V

Environmental Conditions

Parameter	Value
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
Humidity Range	0% to 95% RH
Wind Resistance	2400Pa
Snow Load	5400Pa
UV Resistance	1000h
Temperature Coefficient of Pmax	-0.35%
Temperature Coefficient of Voc	-0.25%
Temperature Coefficient of Isc	+0.05%
Temperature Coefficient of Noc	+0.05%
Series Resistance	<0.5Ω
Parallel Resistance	<0.05Ω
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V



Product Details

Product Overview

Parameter	Value
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Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V

Product Overview

Parameter	Value
Panel Type	Monocrystalline
Cell Type	N-Type
Cell Count	144
Panel Efficiency	22.5%
Peak Power (W)	595W
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Short Circuit Current (A)	14.5A
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Maximum Power Current (A)	14.0A
Power Tolerance	±3%
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Temperature Coefficient of Isc	+0.05%
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Series Resistance	<0.5Ω
Parallel Resistance	<0.05Ω
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V

Product Overview

Parameter	Value
Panel Type	Monocrystalline
Cell Type	N-Type
Cell Count	144
Panel Efficiency	22.5%
Peak Power (W)	595W
Open Circuit Voltage (V)	45.0V
Short Circuit Current (A)	14.5A
Maximum Power Voltage (V)	40.0V
Maximum Power Current (A)	14.0A
Power Tolerance	±3%
Temperature Coefficient of Pmax	-0.35%
Temperature Coefficient of Voc	-0.25%
Temperature Coefficient of Isc	+0.05%
Temperature Coefficient of Noc	+0.05%
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Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V
Diode Forward Voltage	<0.5V
Diode Reverse Recovery Time	<10μs
Diode Reverse Recovery Current	<10A
Diode Forward Current	<10A
Diode Reverse Voltage	<10V

620W

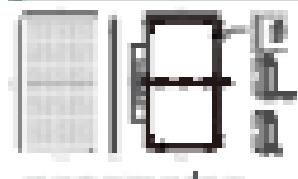


QN-620HIB
N-Type 605-620W
PERC half-cell, local bypass diode



DATA SHEET

1. PRODUCT OVERVIEW



2. PRODUCT FEATURES

•	PERC half-cell technology
•	Local bypass diodes
•	Low temperature coefficient
•	High efficiency
•	High power output

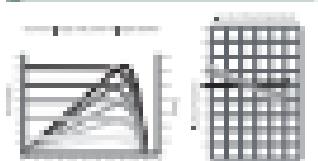
3. PRODUCT SPECIFICATIONS

Parameter	Value	Parameter	Value
Panel Type	N-Type	Cell Type	PERC half-cell
Panel Size	1440x660x35mm	Cell Dimensions	156x156mm
Panel Weight	18kg	Number of Cells	60
Panel Efficiency	21.5%	Max Power (Pmax)	620W
Max Power Voltage (Vmp)	39.8V	Max Power Current (Imp)	15.3A
Open Circuit Voltage (Voc)	43.8V	Short Circuit Current (Isc)	16.0A
Temperature Coefficient of Pmax	-0.38%	Temperature Coefficient of Voc	-0.35%
Temperature Coefficient of Isc	-0.05%	Temperature Coefficient of Fwd Bias	-0.001%
Maximum System Voltage	600Vdc	Maximum Reverse Voltage	3000Vdc
Operating Temperature Range	-40°C to +85°C	Storage Temperature Range	-40°C to +85°C
Wind Load Resistance	2400Pa	Snow Load Resistance	4400Pa
UV Resistance	UV400	Electrical Safety	IEC 61730-2-1
CE	CE	TUV	TUV
IEC	IEC	UL	UL
RoHS	RoHS	ISO9001	ISO9001
ISO14001	ISO14001	ISO18001	ISO18001

4. PRODUCT PERFORMANCE

Performance Metric	Value
Efficiency	21.5%
Power Output	620W
Voltage (Vmp)	39.8V
Current (Imp)	15.3A
Open Circuit Voltage (Voc)	43.8V
Short Circuit Current (Isc)	16.0A
Temperature Coefficient of Pmax	-0.38%
Temperature Coefficient of Voc	-0.35%
Temperature Coefficient of Isc	-0.05%
Temperature Coefficient of Fwd Bias	-0.001%

5. PRODUCT DESIGN



6. PRODUCT CERTIFICATION

• CE
• TUV
• IEC
• ISO9001
• ISO14001
• ISO18001



620W



QN-620HB

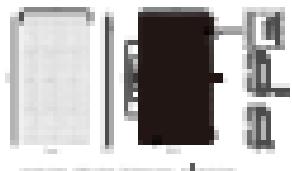
N-Type 60S-620W

PERC Heterojunction technology



DATA SHEET

1. PRODUCT OVERVIEW



DATA SHEET

2. PRODUCT FEATURES

Item	Specification
Panel Type	Monocrystalline
Cell Type	N-type PERC
Cell Dimensions	156mm x 156mm
Cell Efficiency	23.5%
Panel Efficiency	21.5%
Panel Power	620W
Panel Weight	35kg
Panel Dimensions	1600mm x 990mm x 35mm
Mounting System	Standard
Warranty	25 years

3. PRODUCT SPECIFICATIONS

Parameter	Specification
Panel Type	Monocrystalline
Cell Type	N-type PERC
Cell Dimensions	156mm x 156mm
Cell Efficiency	23.5%
Panel Efficiency	21.5%
Panel Power	620W
Panel Weight	35kg
Panel Dimensions	1600mm x 990mm x 35mm
Mounting System	Standard
Warranty	25 years

4. PRODUCT FEATURES

Feature	Description
Panel Type	Monocrystalline
Cell Type	N-type PERC
Cell Dimensions	156mm x 156mm
Cell Efficiency	23.5%
Panel Efficiency	21.5%
Panel Power	620W
Panel Weight	35kg
Panel Dimensions	1600mm x 990mm x 35mm
Mounting System	Standard
Warranty	25 years

5. PRODUCT FEATURES

Feature	Description
Panel Type	Monocrystalline
Cell Type	N-type PERC
Cell Dimensions	156mm x 156mm
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Panel Efficiency	21.5%
Panel Power	620W
Panel Weight	35kg
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Mounting System	Standard
Warranty	25 years

6. PRODUCT FEATURES

Feature	Description
Panel Type	Monocrystalline
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Panel Efficiency	21.5%
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Panel Weight	35kg
Panel Dimensions	1600mm x 990mm x 35mm
Mounting System	Standard
Warranty	25 years



DATA SHEET

7. PRODUCT FEATURES

Feature	Description
Panel Type	Monocrystalline
Cell Type	N-type PERC
Cell Dimensions	156mm x 156mm
Cell Efficiency	23.5%
Panel Efficiency	21.5%
Panel Power	620W
Panel Weight	35kg
Panel Dimensions	1600mm x 990mm x 35mm
Mounting System	Standard
Warranty	25 years



720W



QN-720HT-01

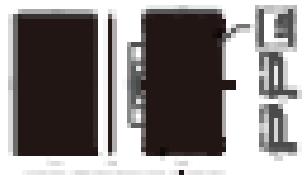
N-Type 30G-720W

MONO PERC HJT



DATA SHEET

1. PRODUCT OVERVIEW



DATA SHEET

2. PRODUCT FEATURES

Feature	Description
Panel Type	N-Type 30G-720W
Cell Type	MONO PERC HJT
Panel Size	1600mm x 1000mm
Panel Weight	~25kg
Panel Efficiency	~22%
Panel Color	Black
Panel Frame	Aluminum Alloy
Panel Mounting	Ground Mount, Roof Mount
Panel Certification	TUV, UL, IEC

3. PRODUCT SPECIFICATIONS

Parameter	Value	Unit	Notes
Panel Power	720W	W	Max Power
Panel Voltage	~45V	V	Open Circuit Voltage
Panel Current	~16A	A	Short Circuit Current
Panel Resistance	~0.4Ω	Ω	Series Resistance
Panel Efficiency	~22%	%	Efficiency
Panel Temperature Coefficient	-0.35%	%/°C	Temperature Coefficient
Panel Lifetime	>25 years		Lifetime
Panel Weight	~25kg	kg	Weight
Panel Dimensions	1600mm x 1000mm	mm	Dimensions
Panel Frame	Aluminum Alloy		Frame Material
Panel Mounting	Ground Mount, Roof Mount		Mounting Options
Panel Certification	TUV, UL, IEC		Certifications

4. PRODUCT DETAILS

Detail	Value
Panel Type	N-Type 30G-720W
Cell Type	MONO PERC HJT
Panel Size	1600mm x 1000mm
Panel Weight	~25kg
Panel Efficiency	~22%
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5. PRODUCT DETAILS

Detail	Value
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Detail	Value
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Panel Frame	Aluminum Alloy
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Panel Certification	TUV, UL, IEC



7. PRODUCT DETAILS

Detail	Value
Panel Type	N-Type 30G-720W
Cell Type	MONO PERC HJT
Panel Size	1600mm x 1000mm
Panel Weight	~25kg
Panel Efficiency	~22%
Panel Color	Black
Panel Frame	Aluminum Alloy
Panel Mounting	Ground Mount, Roof Mount
Panel Certification	TUV, UL, IEC



SD-12.8V100AH LiFePO4

Lithium Iron
Phosphate Battery

	100Ah		12.8V AC
	100Ah		12.8V DC

Technical Data

Product Overview

	100Ah
	12.8V AC
	12.8V DC
	5V USB

Product + Feature Overview

	100Ah
	12.8V AC
	12.8V DC
	5V USB
	Fan
	LCD Screen
	Fingerprint Sensor
	Smart Chip
	IP65 Waterproof

Product Overview - Input & Output

	100Ah
	12.8V AC
	12.8V DC
	5V USB
	Fan
	LCD Screen
	Fingerprint Sensor
	Smart Chip
	IP65 Waterproof

Product Overview - Temperature Requirements

	100Ah
	12.8V AC
	12.8V DC
	5V USB





SD-12.8V200AH

LiFePO4 Batteries

12V

200AH

100%

100%

100%

100%

Product Overview

Product Overview - Product Details

12V

200AH

100%

100%

100%

100%

Product Overview - Technical Specifications

12V

200AH

100%

100%

100%

100%





SD-12.8V300AH LiFePO4

Lithium Iron
Phosphate Battery



SD-12.8V300AH

SD-12.8V300AH Specifications

Item	Specification
Model	SD-12.8V300AH
Capacity	300Ah
Voltage	12.8V
Weight	~100kg

SD-12.8V300AH Applications

Application	SD-12.8V300AH
Residential Backup Power	✓
Commercial Backup Power	✓
Industrial Backup Power	✓
EV Charging	✓
Off-Grid Power Systems	✓
Marine Applications	✓
Solar Energy Storage	✓
EV Charging Stations	✓
Industrial Power Solutions	✓
Commercial Power Solutions	✓
Residential Power Solutions	✓

SD-12.8V300AH Technical Data Sheet

Parameter	Value
Model	SD-12.8V300AH
Capacity	300Ah
Voltage	12.8V
Weight	~100kg

SD-12.8V300AH Technical Specifications

Parameter	Value
Model	SD-12.8V300AH
Capacity	300Ah
Voltage	12.8V
Weight	~100kg

YUASA



SD-25.6V200AH LiFePO4

Lithium Iron
Phosphate Battery



TECHNICAL DATA

General Information

Model	SD-25.6V200AH
Series	SD
Technology	LiFePO4
Cell Type	18650
Cell Count	~1000

Product Dimensions

Product Dimensions	380x280x100 mm
Weight	~25 kg
Color	White
Material	Aluminum
Mounting	Wall Mount

Performance and Safety Features

Performance	High Power Density
Efficiency	98%
Temperature Range	-40°C to +60°C
Depth of Discharge	0-100%
Charge Cycles	~5000

Dimensions and Weight Requirements

Dimensions	380x280x100 mm
Weight	~25 kg
Mounting	Wall Mount
Material	Aluminum





SD-25.6V300AH LiFePO4
Lithium Iron
Phosphate Battery

Dimensions: 1000x400x180mm
Weight: 100kg
Temperature Range: -20°C to +50°C

TECHNICAL DATA

General Specifications

Model	SD-25.6V300AH
Chemistry	LiFePO4
Capacity	300Ah
Voltage	25.6V
Dimensions	1000x400x180mm

Performance Characteristics

Discharge Current	100A
Charging Current	100A
Depth of Discharge	80%
Number of Cycles	5000
Temperature Range	-20°C to +50°C

Charging & Discharging Parameters

Charging Current	100A
Charging Voltage	27.2V
Charging Temperature	-20°C to +50°C
Charging Time	8 hours
Charging Method	Constant Current / Constant Voltage

Storage & Transportation Requirements

Storage Temperature	-20°C to +50°C
Transportation Temperature	-20°C to +50°C
Storage Time	6 months
Transportation Time	6 months

S



SD-51.2V200AH LiFePO4

Lithium Iron
Phosphate Battery

- 51.2V 200AH
- 100% Depth of Discharge
- 1000+ Cycles

Product Overview

Product Description

Model	SD-51.2V200AH
Capacity	200AH
Voltage	51.2V
Chemistry	LiFePO4
Depth of Discharge	100%

Product Features

Temperature Range	-40°C to 60°C
Charge Efficiency	98%
Discharge Efficiency	98%
Self-discharge Rate	0.05% per day
Protection	BMS Protection

Product Details

Product Name	SD-51.2V200AH
Capacity (Ah)	200
Voltage (V)	51.2
Chemistry	LiFePO4
Depth of Discharge	100%

Technical Parameters

Model	SD-51.2V200AH
Capacity (Ah)	200
Voltage (V)	51.2
Chemistry	LiFePO4
Depth of Discharge	100%

Delivery and Payment

Delivery Options	Air, Sea, Land
Payment Terms	T/T, L/C
Lead Time	30 days
Quality Control	ISO9001, CE, RoHS
Logistics Support	Customized

Product Application

Power Supply	UPS, Solar Power System
EV Charging	EV Charging Stations
Boat Power	Boat Power Systems
Home Energy Storage	Home Energy Storage Systems
Industrial Power	Industrial Power Solutions



SD-51.2V300AH	SD-12V100AH LiFePO4
1. 安全性	
无害	无害
无毒	无毒
无污染	无污染
无辐射	无辐射
无噪音	无噪音
无震动	无震动
2. 环保性	
环保	环保
无害	无害
无毒	无毒
无污染	无污染
无辐射	无辐射
无噪音	无噪音
3. 可靠性	
高可靠性	高可靠性
长寿命	长寿命
低故障率	低故障率
耐久性	耐久性
稳定性	稳定性
4. 经济性	
低成本	低成本
高性价比	高性价比
维护成本低	维护成本低
使用寿命长	使用寿命长
5. 其他优势	
轻便	轻便
易于安装	易于安装
易于运输	易于运输
易于存储	易于存储
易于维护	易于维护



TECHNICAL DATA

1. GENERAL INFORMATION

Product Name	SANDSOLAR
Model	SD-51.2V 320AH
Power Source	Lithium-Ion
Capacity	320Ah
Nominal Voltage	51.2V
Weight	100kg
Dimensions	1000x400x100mm
Color	White

2. SYSTEM INFORMATION

Standard Features	Yes
Modular Design	Yes
Fast Charge	Yes
IP65 Protection	Yes
CE Approved	Yes

3. SYSTEM FEATURES

Modular Design	Yes
Fast Charge	Yes
IP65 Protection	Yes
CE Approved	Yes
Modular Design	Yes

4. SYSTEM PERFORMANCE

Efficiency	98%
Depth of Discharge	100%
Charge Efficiency	98%
Discharge Efficiency	98%
Charge Efficiency	98%

5. SYSTEM SPECIFICATIONS

Standard Features	Yes
Modular Design	Yes
Fast Charge	Yes
IP65 Protection	Yes
CE Approved	Yes

6. SYSTEM AND RELATED PRODUCTS

System	Yes
Modular Design	Yes
Fast Charge	Yes



High-voltage, stackable battery system

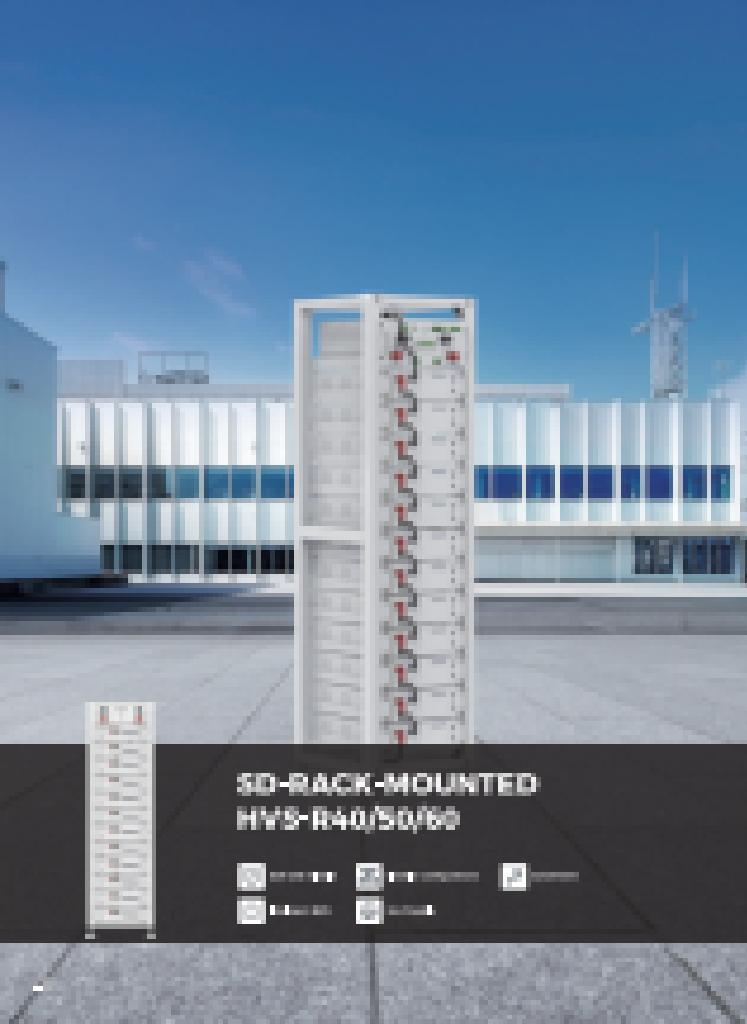
- [High-voltage](#)
- [Stackable](#)
- [Modular](#)
- [Intelligent](#)
- [Efficient](#)

MANUFACTURED BY:

© VIVINT SYSTEMS

High-voltage, stackable battery system	100 kWh	200 kWh	300 kWh	400 kWh	500 kWh	600 kWh	700 kWh	800 kWh	900 kWh	1000 kWh
Dimensions (W x H x D)	1000 x 1000 x 1000 mm									
Weight	1000 kg	2000 kg	3000 kg	4000 kg	5000 kg	6000 kg	7000 kg	8000 kg	9000 kg	10000 kg
Power	100 kW	200 kW	300 kW	400 kW	500 kW	600 kW	700 kW	800 kW	900 kW	1000 kW
Efficiency	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
Temperature Range	-40°C to +60°C									
Depth	1000 mm									
Height	1000 mm									
Width	1000 mm									
Depth (when stacked)	1000 mm									
Height (when stacked)	1000 mm									
Width (when stacked)	1000 mm									





SD-RACK-MOUNTED
HYS-R40/50/80



TECHNICAL DATA

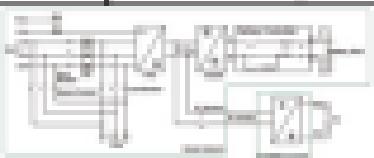
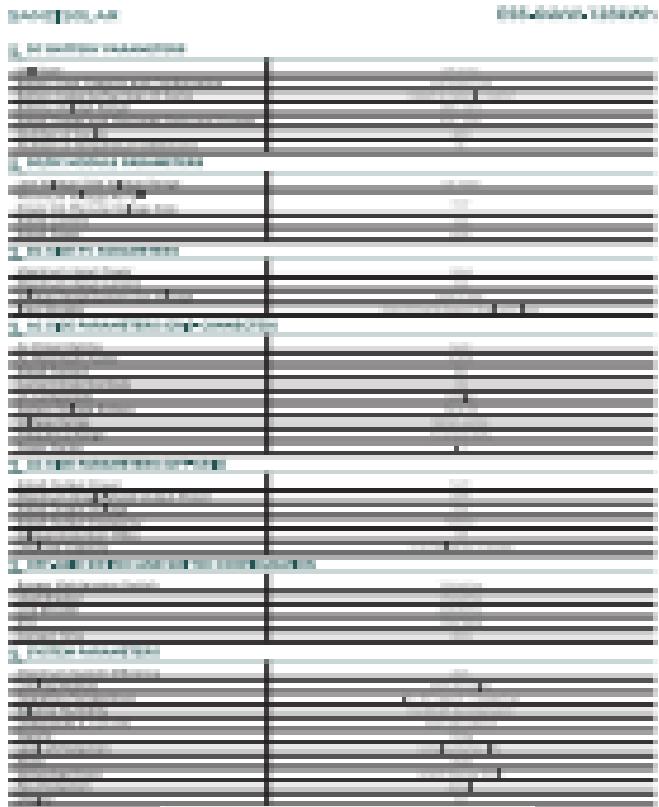
SD-RACK MOUNTING

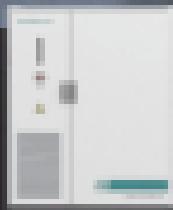
Parameter	Value	Parameter	Value
Number of inputs	1	Number of outputs	2
Number of inputs	2	Number of outputs	2
Number of inputs	1	Number of outputs	1
Number of inputs	2	Number of outputs	1
Number of inputs	1	Number of outputs	3
Number of inputs	2	Number of outputs	3
Number of inputs	1	Number of outputs	4
Number of inputs	2	Number of outputs	4
Number of inputs	1	Number of outputs	5
Number of inputs	2	Number of outputs	5
Number of inputs	1	Number of outputs	6
Number of inputs	2	Number of outputs	6
Number of inputs	1	Number of outputs	7
Number of inputs	2	Number of outputs	7
Number of inputs	1	Number of outputs	8
Number of inputs	2	Number of outputs	8

SD-RACK MOUNTING (CONTINUED)

Parameter	Value	Parameter	Value
Number of inputs	1	Number of outputs	9
Number of inputs	2	Number of outputs	9
Number of inputs	1	Number of outputs	10
Number of inputs	2	Number of outputs	10
Number of inputs	1	Number of outputs	11
Number of inputs	2	Number of outputs	11
Number of inputs	1	Number of outputs	12
Number of inputs	2	Number of outputs	12
Number of inputs	1	Number of outputs	13
Number of inputs	2	Number of outputs	13
Number of inputs	1	Number of outputs	14
Number of inputs	2	Number of outputs	14
Number of inputs	1	Number of outputs	15
Number of inputs	2	Number of outputs	15
Number of inputs	1	Number of outputs	16
Number of inputs	2	Number of outputs	16

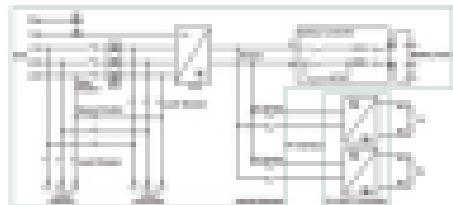
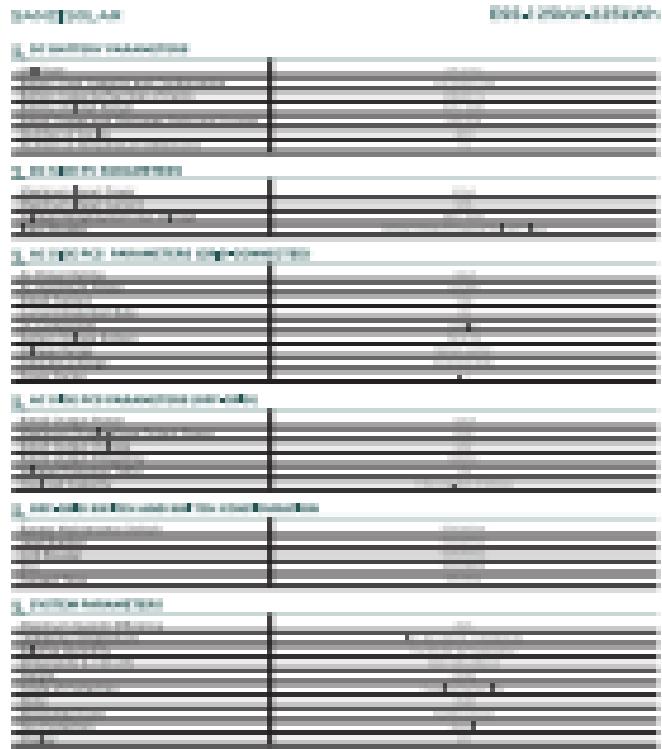
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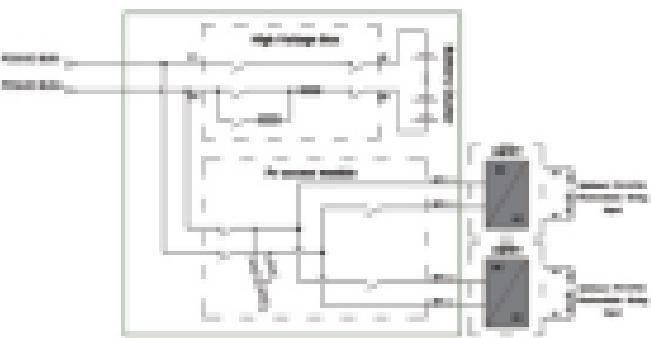


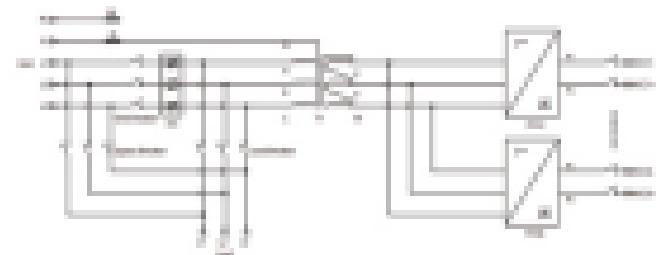
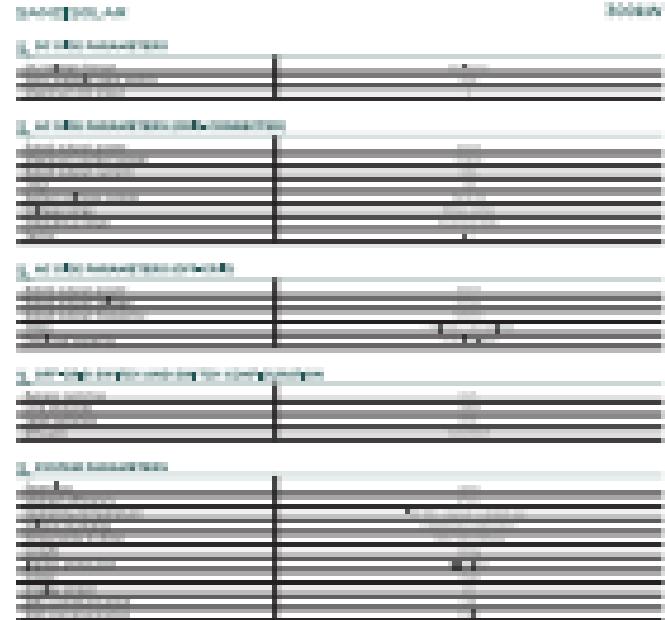


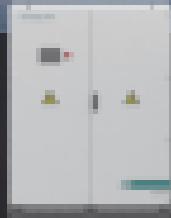
125kW 225kWh

Energy Storage System
for 5 Years Warranty



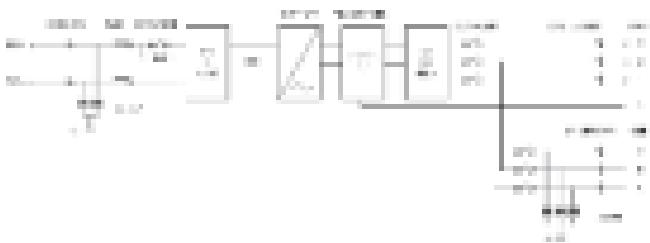
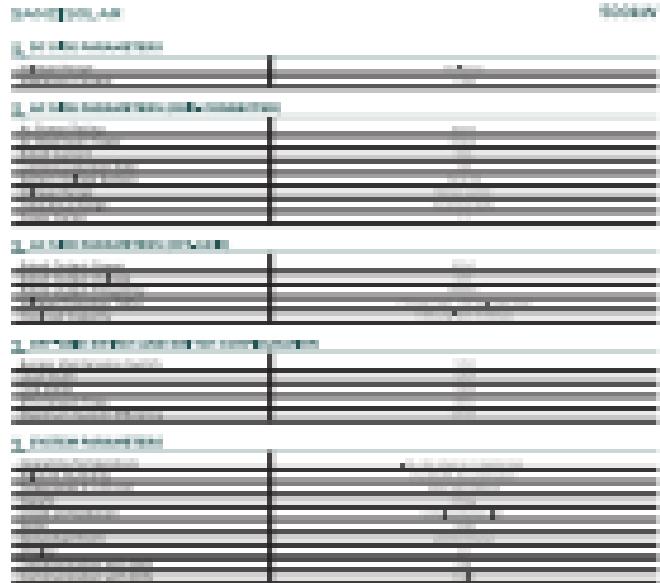






500kW

5.5kWh On Energy Storage Inverter
5 Years Warranty





6kW

Schneider Electric MPP-1000-060
for 5 Years Warranty



[View Product](#)



Easy Installation



[View Product](#)

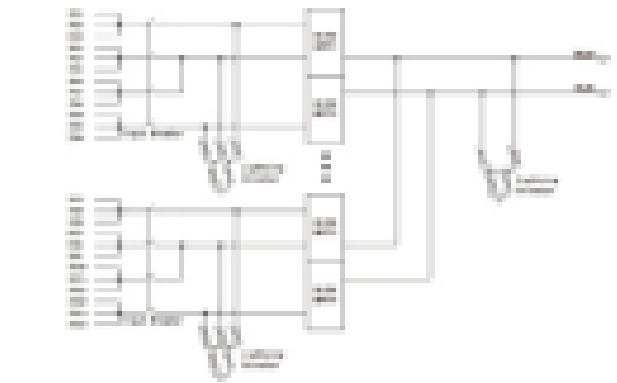


Quick Setup

MANUFACTURER

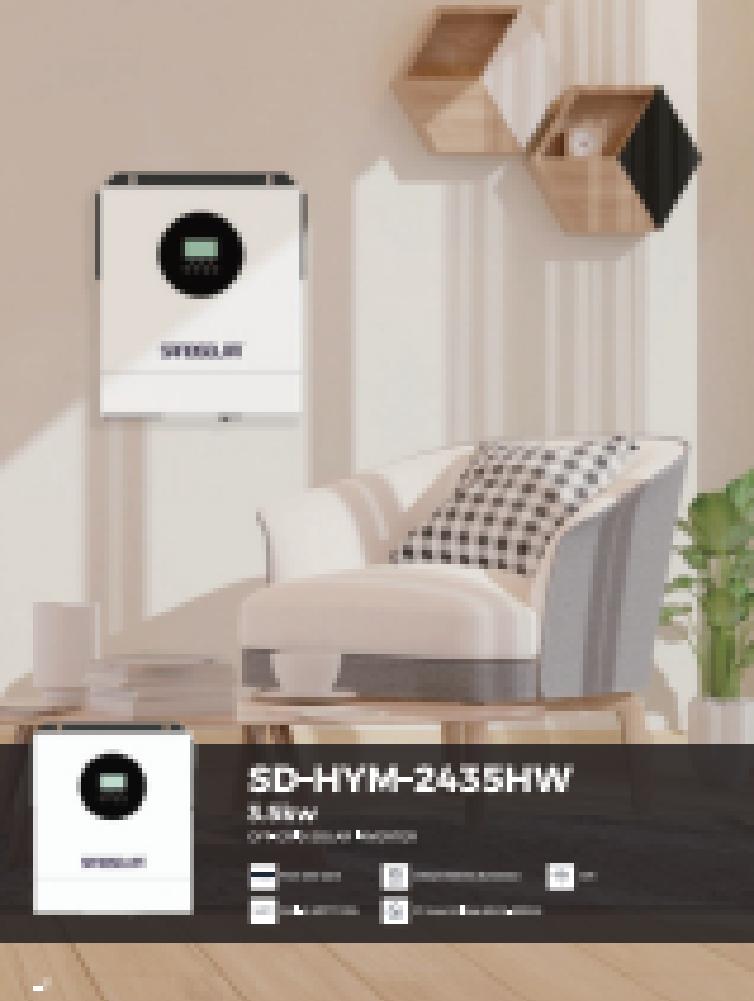
SCHNEIDER ELECTRIC

Product Type	Series	Model	Power Range (kW)	Efficiency (%)	Warranty (Years)	Mounting Options	Control Options	Communication Options	Protection Rating
Inverters	MPP	MPP-1000-060	6 kW	96.5%	5	Rooftop	Modbus, WiFi	RS485, MQTT	IP65
Inverters	MPP	MPP-1000-100	100 kW	96.5%	5	Rooftop	Modbus, WiFi	RS485, MQTT	IP65
Inverters	MPP	MPP-1000-150	150 kW	96.5%	5	Rooftop	Modbus, WiFi	RS485, MQTT	IP65
Inverters	MPP	MPP-1000-200	200 kW	96.5%	5	Rooftop	Modbus, WiFi	RS485, MQTT	IP65





SD-HYM-1215H	SD-HYM-1215H
TYPE	Waterproof
POWER	1.85W
TIME	10s~10min
TEMPERATURE	-40°C~80°C
WIND SPEED	0~10m/s
RAIN	0~100mm/h
WATER	IP65
WIRE	10m
NET WEIGHT	0.5kg
GROSS WEIGHT	0.6kg
SIZE	120x150x30mm



SD-HYM-2435HW	SD-HYM-2435HW
Side-by-Side	Side-by-Side
24.35"	24.5"
66.5"	66.5"
3.55 cu ft	3.55 cu ft
Refrigerator	Refrigerator
Freezer	Freezer
Water Dispenser	Water Dispenser
Ice Dispenser	Ice Dispenser
Smart Diagnosis	Smart Diagnosis
Smart Inverter	Smart Inverter
Energy Star	Energy Star
Door Type	Door Type
Width (in)	Width (in)
Depth (in)	Depth (in)
Height (in)	Height (in)
Capacity (cu ft)	Capacity (cu ft)
Refrigerator Compartment	Refrigerator Compartment
Freezer Compartment	Freezer Compartment
Water Dispenser	Water Dispenser
Ice Dispenser	Ice Dispenser
Smart Diagnosis	Smart Diagnosis
Smart Inverter	Smart Inverter
Energy Star	Energy Star



SD-HYM-486SP

8.8SW

OPTICAL/COAXIAL INPUTS



SMART TV, A.I.

TYPE

SMART TV

②. SMART FEATURES

Smart TV

SMART TV, A.I.

TYPE

SMART TV



SD-HYM-48110P

11kw

On/Off Control Panel



SD-HYM-48110P

SD-HYM-48110P

SD

SD



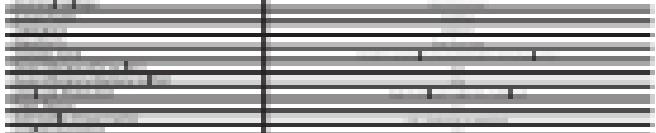
SD_HYM

SD_HYM



SD_HYM

SD_HYM



SD_HYM

SD_HYM



SD_HYM_48110P_SD_HYM

SD_HYM



SD_HYM

SD_HYM



SD_HYM

SD_HYM





SD-HYM-48120P

120W

Optical/Coaxial Input/Output



HDMI



Optical



Coaxial



Power

SD-HYM-48120P

SD-HYM-48120P

SD

SD

SD

SD

SD-HYM-48120P

SD

SD-HYM-48120P

SD



SUN-6 Kocoum EU		SUN-8 Kocoum EU	
TYPE	DESCRIPTION	TYPE	DESCRIPTION
1. Energy efficiency			
High	Very good energy efficiency	Medium	Good energy efficiency
Medium	Good energy efficiency	Low	Medium energy efficiency
Low	Medium energy efficiency	Very low	Poor energy efficiency
2. Light control			
High	Very good light control	Medium	Good light control
Medium	Good light control	Low	Medium light control
Low	Medium light control	Very low	Poor light control
3. Heat retention			
High	Very good heat retention	Medium	Good heat retention
Medium	Good heat retention	Low	Medium heat retention
Low	Medium heat retention	Very low	Poor heat retention
4. Durability			
High	Very good durability	Medium	Good durability
Medium	Good durability	Low	Medium durability
Low	Medium durability	Very low	Poor durability
5. Aesthetic appeal			
High	Very good aesthetic appeal	Medium	Good aesthetic appeal
Medium	Good aesthetic appeal	Low	Medium aesthetic appeal
Low	Medium aesthetic appeal	Very low	Poor aesthetic appeal
6. Environmental impact			
High	Very good environmental impact	Medium	Good environmental impact
Medium	Good environmental impact	Low	Medium environmental impact
Low	Medium environmental impact	Very low	Poor environmental impact



THERMEX SOLAR POWER THERMOELECTRIC HOT WATER SYSTEM					
	12K	15K	20K	30K	35K
• Standard system components:	✓	✓	✓	✓	✓
• Modular system components:	✓	✓	✓	✓	✓
• Hybrid system components:	✓	✓	✓	✓	✓
• Boiler	✓	✓	✓	✓	✓
• Water tank	✓	✓	✓	✓	✓
• Pump	✓	✓	✓	✓	✓
• Control panel	✓	✓	✓	✓	✓
• Flow sensor	✓	✓	✓	✓	✓
• Thermostat	✓	✓	✓	✓	✓
• Accessories:	✓	✓	✓	✓	✓
• Software:	✓	✓	✓	✓	✓
• Warranty:	✓	✓	✓	✓	✓
• Customer support:	✓	✓	✓	✓	✓
• Delivery:	✓	✓	✓	✓	✓
• Installation:	✓	✓	✓	✓	✓
• Commissioning:	✓	✓	✓	✓	✓
• Training:	✓	✓	✓	✓	✓
• Consultation:	✓	✓	✓	✓	✓
• Technical support:	✓	✓	✓	✓	✓
• Guarantee:	✓	✓	✓	✓	✓
• Delivery:	✓	✓	✓	✓	✓
• Commissioning:	✓	✓	✓	✓	✓
• Training:	✓	✓	✓	✓	✓
• Consultation:	✓	✓	✓	✓	✓
• Technical support:	✓	✓	✓	✓	✓
• Guarantee:	✓	✓	✓	✓	✓



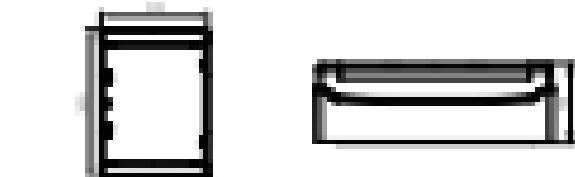
3.5KW/1P/UPS

AC/DC Condition Box

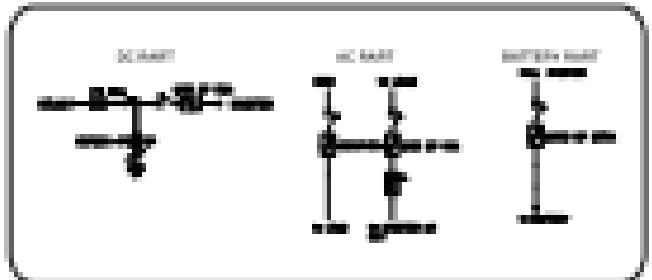
Product Overview

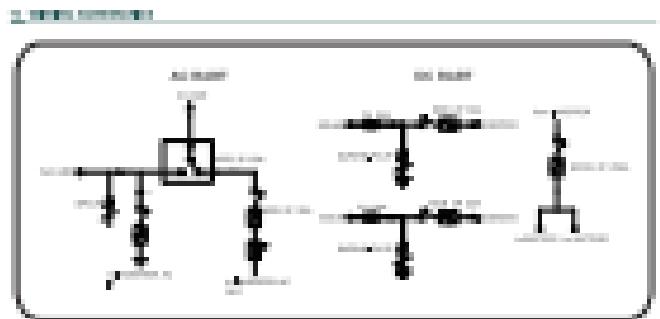
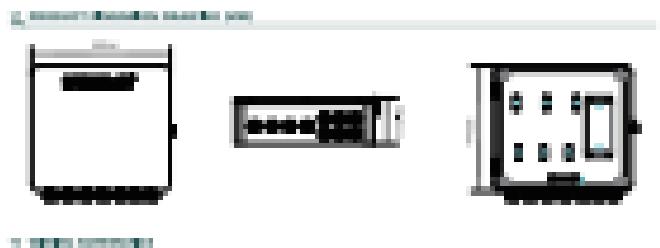
Product	3.5KW/1P/UPS	3.5KW/1P/UPS	3.5KW/1P/UPS	3.5KW/1P/UPS	3.5KW/1P/UPS
Model	3.5KW/1P/UPS	3.5KW/1P/UPS	3.5KW/1P/UPS	3.5KW/1P/UPS	3.5KW/1P/UPS
Power	3.5KW	3.5KW	3.5KW	3.5KW	3.5KW
Output	1P	1P	1P	1P	1P
Condition	Box	Box	Box	Box	Box

Product Features



Product Structure







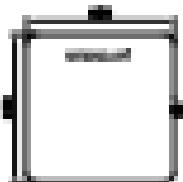
MANUFACTURER

MANUFACTURER

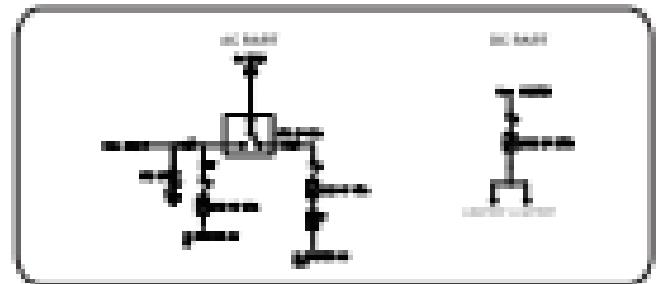
MANUFACTURER

PRODUCT	MANUFACTURER	TYPE	MANUFACTURER	MANUFACTURER	MANUFACTURER
12VDC					
24VDC					
48VDC					
110VAC					
220VAC					
380VAC					

MANUFACTURER

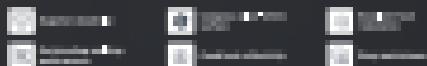


MANUFACTURER





8kW/3P/PV
AC/DC Conditioner Unit

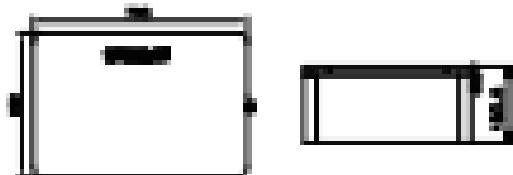


Standard Control Panel

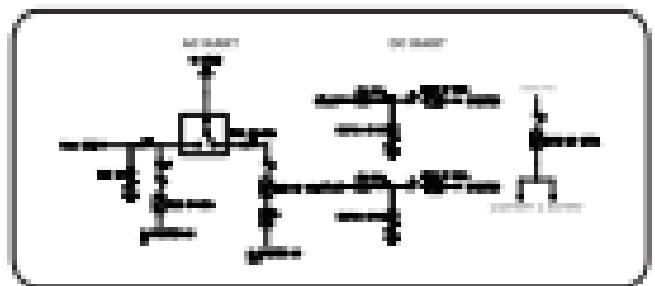
Modular Control Panel

Product	Standard Control Panel	Modular Control Panel	Modular Control Panel with PLC	Modular Control Panel with HMI	Modular Control Panel with PLC & HMI
8kW/3P/PV	✓	✓	✓	✓	✓
10kW/3P/PV	✓	✓	✓	✓	✓
12kW/3P/PV	✓	✓	✓	✓	✓
15kW/3P/PV	✓	✓	✓	✓	✓
18kW/3P/PV	✓	✓	✓	✓	✓
22kW/3P/PV	✓	✓	✓	✓	✓
25kW/3P/PV	✓	✓	✓	✓	✓
30kW/3P/PV	✓	✓	✓	✓	✓
35kW/3P/PV	✓	✓	✓	✓	✓
40kW/3P/PV	✓	✓	✓	✓	✓
45kW/3P/PV	✓	✓	✓	✓	✓
50kW/3P/PV	✓	✓	✓	✓	✓
60kW/3P/PV	✓	✓	✓	✓	✓
70kW/3P/PV	✓	✓	✓	✓	✓
80kW/3P/PV	✓	✓	✓	✓	✓
90kW/3P/PV	✓	✓	✓	✓	✓
100kW/3P/PV	✓	✓	✓	✓	✓

Modular Control Panel (Standard)



Modular Control Panel





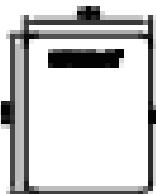
INTERCLIP, A/S

INDUSTRI ELEKTRIK

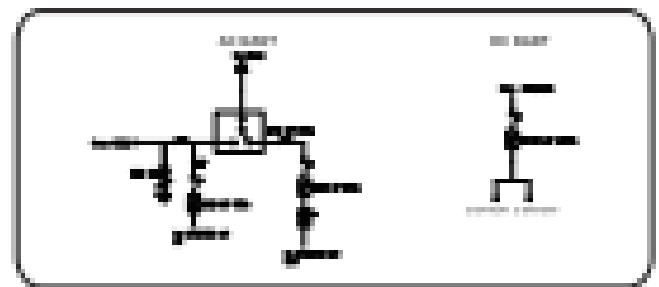
1. Produktionsanlagen und Anlagen

Produkt	Produkttyp	Produktbeschreibung	Produktstatus	Aktionen
1000000000	Produkt A	Detaillierte Beschreibung von Produkt A	aktiv	Details Bearbeiten Löschen
1000000001	Produkt B	Detaillierte Beschreibung von Produkt B	aktiv	Details Bearbeiten Löschen
1000000002	Produkt C	Detaillierte Beschreibung von Produkt C	aktiv	Details Bearbeiten Löschen
1000000003	Produkt D	Detaillierte Beschreibung von Produkt D	aktiv	Details Bearbeiten Löschen

2. Produktionsprozesse und Prozesse



3. Montageanleitungen





INTERLUM



12KW/1P/PV

AC/DC Condition Box

INTERLUM

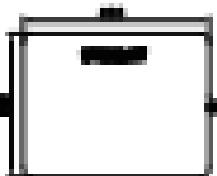


INTERLUM

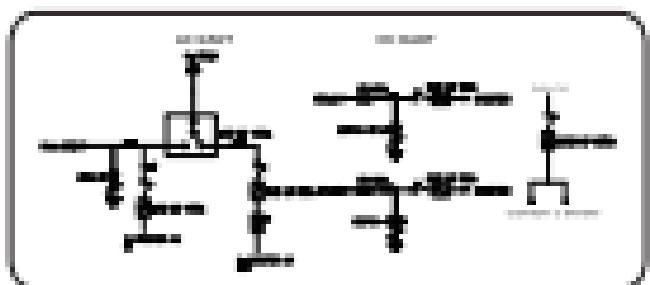
12KW/1P/PV AC/DC Condition Box

ITEM	UNIT	MIN	MAX	DEF	UNIT
AC INPUT	V	~180	~260	~220	V
AC INPUT	A	0.00	1.00	0.50	A
DC INPUT	V	~300	~500	~400	V
DC INPUT	A	0.00	1.00	0.50	A
DC OUTPUT	V	~300	~500	~400	V
DC OUTPUT	A	0.00	1.00	0.50	A
AC OUTPUT	V	~180	~260	~220	V
AC OUTPUT	A	0.00	1.00	0.50	A

12KW/1P/PV AC/DC Condition Box



WIRING DIAGRAM

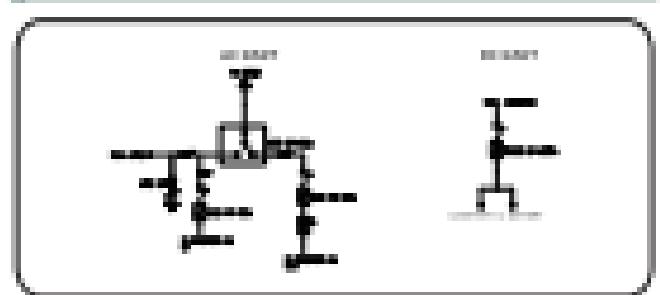
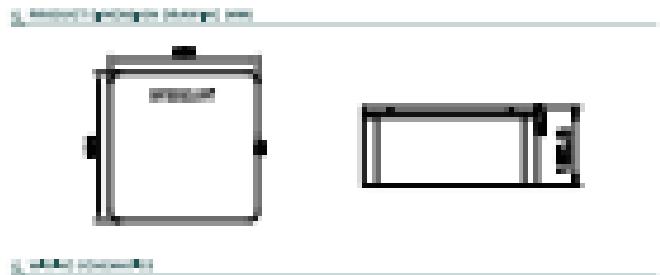




CATERPILLAR
12kW/3P/UPS
AC/DC Conditioner Unit

Standard
 Extended
 Advanced
 Custom

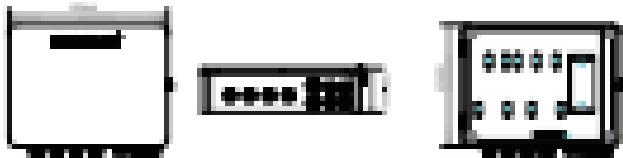
Category	Standard	Extended	Advanced	Custom
Power Source	Generator	Generator	Generator	Generator
Control System	Simple	Medium	Complex	Extremely Complex
Reliability	Low	Medium	High	Very High
Cost	Low	Medium	High	Very High





Product	Model	Color	Power	Phase	Mounting
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof
12kW	12kW	White	12kW	3 Phase	On roof

1. Product (product list) 2.



3. Product structure





DC1.5KV Solar PV Cable

Single Core PV Cable
With Tinned Copper Conductors
Overall Diameter: 21.0mm²



DC1.5KV Solar PV Cable

Product Overview

Product Description

Single Core PV Cable
With Tinned Copper Conductors
Overall Diameter: 21.0mm²

Product Features

• Overall diameter: 21.0mm²
• Overall insulation thickness: 2.0mm
• Overall jacket thickness: 0.7mm
• Overall outer diameter: 21.0mm²

Product Benefits

• High performance
• Durable construction
• Easy installation

Product Specifications

• Overall diameter: 21.0mm²
• Overall insulation thickness: 2.0mm
• Overall jacket thickness: 0.7mm
• Overall outer diameter: 21.0mm²

• Color: Red
• Length: 100m

• Weight: 10kg

Product Applications

• Residential solar power systems
• Commercial solar power systems
• Industrial solar power systems
• Agricultural solar power systems

Product Details

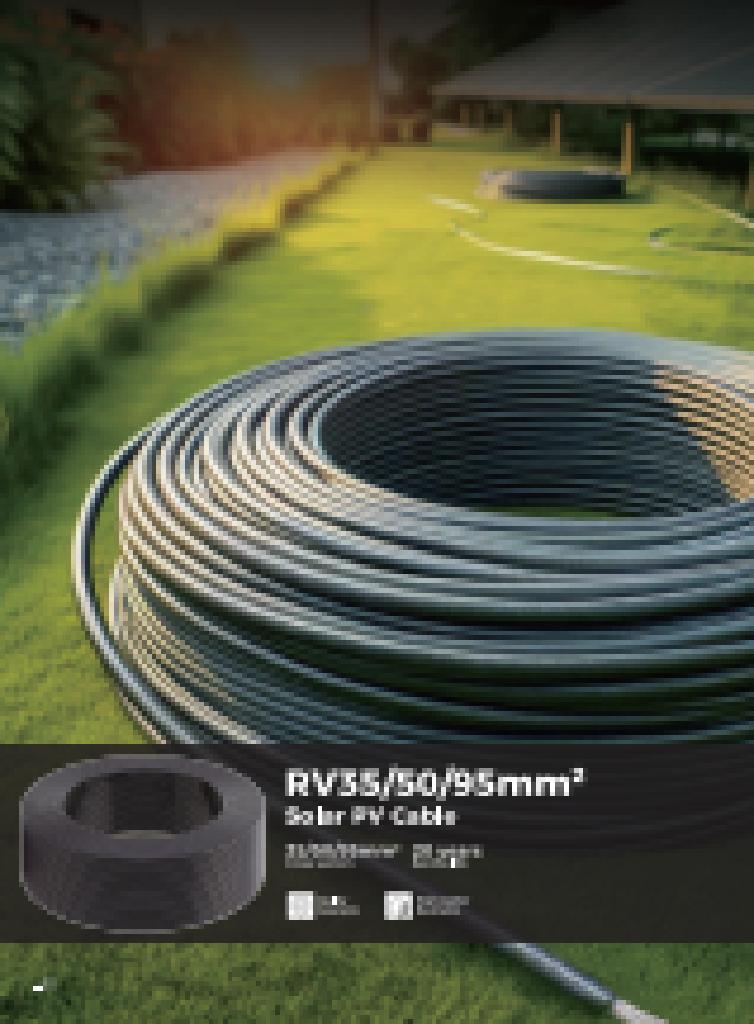
Item	Description	Physical Dimensions	Unit Weight
Conductor	1.5mm ² Tinned Copper	21.0mm ²	10kg/m
Insulation	PVC	2.0mm	
Jacket	PVC	0.7mm	
Outer Diameter	21.0mm ²	21.0mm ²	
Weight	10kg	10kg	

Product

DC1.5KV Solar PV Cable
Single Core PV Cable
With Tinned Copper Conductors
Overall Diameter: 21.0mm²

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DC1.5KV Solar PV Cable
Single Core PV Cable
With Tinned Copper Conductors
Overall Diameter: 21.0mm²



RVSS/50/95mm²

Solar PV Cable

UL Listed UL1703



DATA SHEET, LR

TYPE	UL1703	IEC62870	CEI	EN60825-1
UL1703 requirements				
Conductor size				
IEC62870 requirements				
Conductor size				
CEI requirements				
Conductor size				
EN60825-1 requirements				
Conductor size				
UV resistance requirements				
Conductor size				
UV resistance requirements				
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UV resistance requirements				
Conductor size				

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PROJECT CASE

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GATEWAY INDUSTRIAL PARK PROJECT

- ① LOCATION: HANOI
- ② OWNER: SOCOMI/HANOI
- ③ DATE: 2013 (ongoing)



LIC 2 IN INDUSTRIAL PARK PROJECT

- ① LOCATION: HANOI
- ② OWNER: SOCOMI/HANOI
- ③ DATE: 2013 (ongoing)



HOA KHU 10 PROJECT

- ① LOCATION: HANOI
- ② OWNER: SOCOMI/HANOI
- ③ DATE: 2013 (ongoing)



HOA KHU 11 PROJECT

- ① LOCATION: HANOI
- ② OWNER: SOCOMI/HANOI
- ③ DATE: 2013 (ongoing)

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