

SANDISOLAR

PRODUCT MANUAL



SANDISOLAR

Empower new energy to better benefit mankind

ADDRESS & HOTLINE

Product

① Sandisolar

② Sandisolar Inverter
③ Sandisolar Battery

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 is one of the leading companies in the field of solar energy systems. Our products, solutions and services include photovoltaic power generation, thermal energy storage systems for energy, solar energy systems, energy management systems, heating systems and control systems. SANDISOLAR has positioned itself as a new energy system developer and builder, offering solutions from individual to integrated systems for the integrated energy solution (including the grid "grid-tied" systems) and the storage of energy for thousands of hours.

A 200⁺
systems installed

A 500⁺
systems installed

A 100⁺
systems installed

3000⁺
systems installed

20000⁺m²
systems installed

We have built a large network of clients located throughout Latin America and our customers extend far over others, which includes countries from the United States, Venezuela, Mexico, Peru, Chile, Brazil, Argentina, Uruguay, Paraguay and many more. We offer a wide range of services including design, research, production, management, store operations, customer service, maintenance and other services.

SANDISOLAR





Solar Mall In Mandalay

Introducing the first ever solar powered shopping mall in
Mandalay, Myanmar.

Solar Mall In Yangon

The first ever solar powered shopping mall in
Yangon, Myanmar.

New Energy Mall

Introducing the first ever solar powered shopping mall in
Nyaungshwe, Myanmar.

EV Charging Station

Introducing the first ever solar powered EV charging station
in Nyaungshwe, Myanmar.



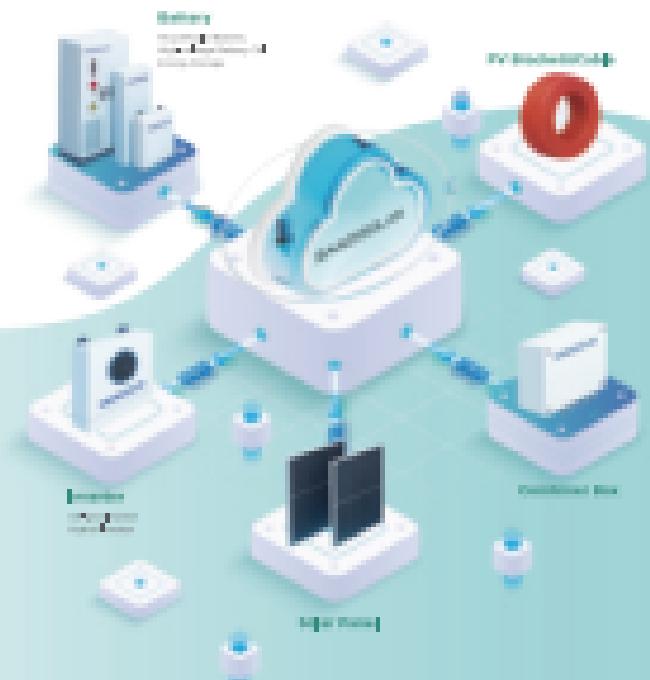
SANDISOLAR

CORE PRODUCT MATRIX

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

"3+2"

Solar Eco Chain



595W



SD-C10M595-72H-V

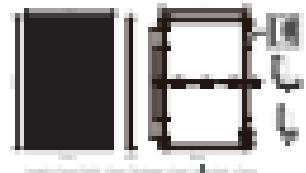
N-Type 580-595W

PERC half-cell technology



DATA SHEET

1. PRODUCT OVERVIEW



2. PRODUCT FEATURES

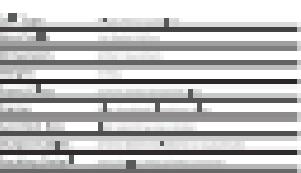
Feature	Description	Value
Panel Type	Monocrystalline	
Cell Type	N-type	
Cell Technology	PERC half-cell technology	
Cell Dimensions	156 mm x 156 mm	
Cell Efficiency	24.5%	
Panel Efficiency	22.5%	
Panel Weight	10 kg	
Panel Dimensions	1560 mm x 1560 mm	
Panel Thickness	3.2 mm	
Panel Color	Black	
Frame Color	White	
Mounting System	Standard mounting system	
Warranty	25 years	

3. PRODUCT SPECIFICATIONS

Parameter	Value
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595W



SD-JMS595N-144M

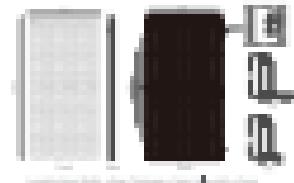
N-Type 580-595W

PERC Heterojunction Technology



PERC Heterojunction Technology

PERC Heterojunction Technology



PERC Heterojunction Technology



PERC Heterojunction Technology

PERC Heterojunction Technology



PERC Heterojunction Technology

PERC Heterojunction Technology
PERC Heterojunction Technology



620W



QN-620HB

N-Type 60S-620W

MONO PERC LOCAL METAL GRID



Qcells.com

Product Details

- **Product Name:** QN-620HB
- **Panel Type:** N-Type
- **Panel Size:** 1440x660x35 mm
- **Cell Type:** PERC
- **Cell Count:** 60
- **Panel Weight:** 20 kg
- **Efficiency:** 22.0%
- **Output Power:** 620W
- **Voc:** 600mV
- **Isc:** 11.0A
- **Max Power:** 620W
- **Max Power Voltage:** 33.6V
- **Max Power Current:** 18.3A
- **Open-Circuit Voltage:** 600mV
- **Short-Circuit Current:** 11.0A
- **Maximum System Voltage:** 600VDC
- **Temperature Coefficient of Voc:** -0.35mV/K
- **Temperature Coefficient of Isc:** 0.03A/K
- **Temperature Coefficient of Pmax:** -0.38W/K
- **Series Resistance:** 1.0mΩ
- **Shunt Resistance:** 3.0mΩ
- **Warranty:** 25 years
- **Mounting Options:** Ground Mount, Tilt Mount, Racking System
- **Performance:** High efficiency, long-life, low-maintenance
- **Environmental:** IEC 61215, IEC 61730, UL 1703, TUV Rheinland, CE, ISO 9001

Performance Data

Parameter	Value
Efficiency	22.0%
Output Power	620W
Voc	600mV
Isc	11.0A
Max Power	620W
Max Power Voltage	33.6V
Max Power Current	18.3A
Open-Circuit Voltage	600mV
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Temperature Coefficient of Voc	-0.35mV/K
Temperature Coefficient of Isc	0.03A/K
Temperature Coefficient of Pmax	-0.38W/K
Series Resistance	1.0mΩ
Shunt Resistance	3.0mΩ

Mounting Options

- Ground Mount
- Tilt Mount
- Racking System

Environmental

- IEC 61215
- IEC 61730
- UL 1703
- TUV Rheinland
- CE
- ISO 9001

CE

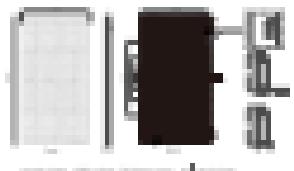
620W



QN-620HB
N-Type 60S-620W
PERC Heterojunction technology

DATA SHEET

1. PRODUCT OVERVIEW



2. PRODUCT SPECIFICATIONS

Parameter	Value	Unit	Description
Panel Type	N-Type		
Cell Type	Heterojunction		
Cell Count	60		
Cell Size	156mm x 156mm		
Cell Efficiency	21.5%	%	
Module Efficiency	20.8%	%	
Max Power	620W	W	
V _{MPP}	43.8V	V	
I _{MPP}	14.2A	A	
Open Circuit Voltage (V _{OCL})	48.0V	V	
Short Circuit Current (I _{SC})	14.8A	A	
Power Tolerance	-5% to +5%		
Series Fuse Rating	15A	A	
Parallel Fuse Rating	15A	A	
Front Glass	Tempered glass		
Backsheet	PE		
Frame	Aluminum		
Mounting System	Standard		
Warranty	25 years		

3. PRODUCT FEATURES

Feature	Description
PERC Heterojunction technology	High efficiency and reliability
60 cells	Optimized power output
Tempered glass front	Stability and safety
PE backsheet	Weather resistance
Aluminum frame	Sturdy construction
Standard mounting system	Easy installation
25-year warranty	Long-term performance guarantee

4. PRODUCT BENEFITS

Benefit	Description
High Efficiency	20.8% module efficiency
Reliability	25-year product warranty
Stability	Tempered glass front and PE backsheet
Convenience	Standard mounting system
Cost-Effectiveness	Optimized power output per square meter

5. PRODUCT CERTIFICATIONS

Certification	Description
IEC 61215	Performance Requirements for Crystalline-Silicon Photovoltaic Modules
IEC 61730	Safety Requirements for Photovoltaic Modules
UL 1703	Performance Requirements for Photovoltaic Modules
IEC 61217	Performance Requirements for Photovoltaic Cells
IEC 61701	Safety Requirements for Photovoltaic Cells



6. PRODUCT DOCUMENTATION

Documentation	Description
Product Manual	General information and installation guidelines
Technical Data Sheet	Detailed technical specifications
Warranty Information	Product warranty details and terms
Safety Instructions	Important safety instructions and precautions

720W



QN-720HT-01

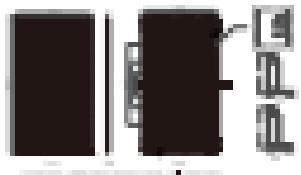
N-Type 30G-720W

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	1440x660x35mm
Weight	~18kg
Efficiency	~22%
Output Power	720W
Max Current (I _{SC})	15.5A
Max Voltage (V _{OC})	45V
Max Power (P _{MP})	680W
Open Circuit Voltage (V _{OC})	45V
Short Circuit Current (I _{SC})	15.5A
Maximum System Voltage (V _{MPP})	1000V
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
Humidity Resistance	95% RH at 85°C
Wind Resistance	2400Pa
Snow Resistance	4000Pa
UV Resistance	1000h
IP Rating	IP67
CE, UL, IEC, TUV, ISO, etc.	Certified

3. PRODUCT SPECIFICATIONS

Parameter	Value	Unit	Notes
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Output Power	720W		
Max Current (I _{SC})	15.5A	A	
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Max Power (P _{MP})	680W	W	
Open Circuit Voltage (V _{OC})	45V	V	
Short Circuit Current (I _{SC})	15.5A	A	
Maximum System Voltage (V _{MPP})	1000V	V	
Operating Temperature Range	-40°C to +85°C	°C	
Storage Temperature Range	-40°C to +85°C	°C	
Humidity Resistance	95% RH at 85°C		
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4. PRODUCT DETAILS

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IP Rating	IP67
CE, UL, IEC, TUV, ISO, etc.	Certified





SD-12.8V100AH LiFePO4

Lithium Iron
Phosphate Battery



SD-12.8V100AH

Product Overview

Model	SD-12.8V100AH
Capacity	100Ah
Voltage	12.8V
Chemistry	LiFePO4

Product Features & Benefits

Longevity	Up to 5000+ cycles
Efficiency	98% efficiency
Reliability	Designed for reliability
Fast Charging	Supports fast charging
Modular Design	Modular design for easy installation

Performance Metrics and Specifications

Model	SD-12.8V100AH
Capacity	100Ah
Voltage	12.8V
Chemistry	LiFePO4
Dimensions	100x100x100 mm

Warranty Information and Technical Support

Warranty	5 years
Support	24/7 technical support
Training	Online training available
Documentation	Comprehensive user manual





SD-12.8V200AH LiFePO4

Lithium Iron
Phosphate Battery



SD-12.8V200AH

SD-12.8V200AH Specifications

Item	Value
Model	SD-12.8V200AH
Capacity	200Ah
Voltage	12.8V
Chemistry	LiFePO4
Weight	~100kg
Dimensions	~450x350x150mm

SD-12.8V200AH Applications

Application	Value
Home Energy Storage	High
Commercial Power Systems	Medium
Industrial Applications	Medium
EV & HEV	Low
Boat & RV	Medium
UPS & Emergency Power	Medium

SD-12.8V200AH Safety & Features

Feature	Value
Overcharge Protection	Yes
Overdischarge Protection	Yes
Short Circuit Protection	Yes
Temperature Monitoring	Yes
Depth of Discharge (DoD)	Up to 80%

SD-12.8V200AH Maintenance Requirements

Maintenance	Frequency
Charging	Once a week
Discharging	Once a month
Temperature Monitoring	Continuous
Visual Inspection	Once a year





SD-12.8V300AH LiFePO4

Lithium Iron
Phosphate Battery



SD-12.8V300AH

LiFePO4 Batteries

12.8V

300AH

1000W

1000W

LiFePO4 Batteries

12.8V

300AH

1000W

1000W

1000W

1000W

LiFePO4 Batteries

12.8V

300AH

1000W

1000W

LiFePO4 Batteries

12.8V

300AH

1000W

1000W

SD-12.8V300AH LiFePO4

S



SD-25.6V200AH LiFePO4

Lithium Iron
Phosphate Battery



TECHNICAL DATA

General Information

Product Name	SD-25.6V200AH LiFePO4
Product Type	LiFePO4
Standard Capacity	200Ah
Nominal Voltage	25.6V
Weight	~100kg

Product Dimensions

Product Length	~450mm
Product Width	~350mm
Product Height	~150mm
Product Weight	~100kg
Product Color	White

Performance Parameters

Standard Capacity	200Ah
Standard Voltage	25.6V
Standard Current	10A
Standard Charge Current	15A
Standard Discharge Current	20A

Performance Characteristics and Technical Requirements

Standard	Yes
CE	Yes
RoHS	Yes
UL	Yes





SD-25.6V300AH LiFePO4

Lithium Iron
Phosphate Battery



TECHNICAL DATA

General Information

Product Name	SD-25.6V300AH LiFePO4
Cell Type	LiFePO4
Nominal Voltage	25.6V
Nominal Capacity	300Ah
Max Power	1000W

Charging & Discharging Parameters

Charging Current	10A
Charging Voltage	27.2V
Discharging Current	10A
Discharging Voltage	24.0V
Depth of Discharge	80%

Performance Parameters

Temperature Range	-20°C to +50°C
Charge Efficiency	98%
Discharge Efficiency	98%
Self-discharge Rate	0.5% per month
Number of Cycles	5000 cycles at 80% DOD

Protection Functions and Temperature Range

Overcharge Protection	-40°C to +60°C
Overdischarge Protection	-20°C to +50°C
Short Circuit Protection	-40°C to +60°C
Overtemperature Protection	-40°C to +60°C





SD-51.2V200AH LiFePO4

Lithium Iron
Phosphate Battery



Product Overview

Product Description

Model	SD-51.2V200AH LiFePO4
Capacity	200Ah
Voltage	51.2V
Chemistry	LiFePO4
Weight	~100kg

Product Features

Temperature Range	-20°C to 50°C
Depth of Discharge	0-80%
Charge Cut-off	55V
Discharge Cut-off	40V
Max Charge Current	100A

Performance Parameters

Initial Capacity	200Ah
End-of-Life Capacity	100Ah
Charge Efficiency	98%
Discharge Efficiency	95%
Cycle Life (50% DOD)	5000+ Cycles

Environmental Protection

IP Rating	IP65
Water Resistance	Yes
UV Resistance	Yes
Shock Resistance	Yes
Vibration Resistance	Yes

Warranty and Support

Warranty Period	5 Years
Support Hours	24/7
Response Time	Within 24 hours
Return Policy	Easy return process
Customer Support	Local and international support

Product and Technical Details

Product Name	SD-51.2V200AH LiFePO4
Product Type	Lithium Iron Phosphate Battery
Product Model	SD-51.2V200AH LiFePO4
Product Color	White



SD-51.2V300AH

SD-51.2V300AH LiFePO4

SD-51.2V300AH Specifications

Parameter	Value
Model	SD-51.2V300AH
Chemistry	LiFePO4
Nominal Voltage	51.2V
Nominal Capacity	300Ah
Max Power	1000W
Max Current	100A
Max Charge Current	50A
Max Discharge Current	100A
Max Pulse Current	200A
Max Pulse Duration	10s
Max Pulse Frequency	10Hz
Max Pulse Power	20kW
Max Pulse Energy	200Wh
Max Pulse Efficiency	90%
Max Pulse Efficiency at 100A	95%
Max Pulse Efficiency at 200A	85%
Max Pulse Efficiency at 300A	75%
Max Pulse Efficiency at 400A	65%
Max Pulse Efficiency at 500A	55%
Max Pulse Efficiency at 600A	45%
Max Pulse Efficiency at 700A	35%
Max Pulse Efficiency at 800A	25%
Max Pulse Efficiency at 900A	15%
Max Pulse Efficiency at 1000A	10%
Max Pulse Efficiency at 1100A	5%
Max Pulse Efficiency at 1200A	2%
Max Pulse Efficiency at 1300A	1%
Max Pulse Efficiency at 1400A	0.5%
Max Pulse Efficiency at 1500A	0.2%
Max Pulse Efficiency at 1600A	0.1%
Max Pulse Efficiency at 1700A	0.05%
Max Pulse Efficiency at 1800A	0.02%
Max Pulse Efficiency at 1900A	0.01%
Max Pulse Efficiency at 2000A	0.005%
Max Pulse Efficiency at 2100A	0.002%
Max Pulse Efficiency at 2200A	0.001%
Max Pulse Efficiency at 2300A	0.0005%
Max Pulse Efficiency at 2400A	0.0002%
Max Pulse Efficiency at 2500A	0.0001%
Max Pulse Efficiency at 2600A	0.00005%
Max Pulse Efficiency at 2700A	0.00002%
Max Pulse Efficiency at 2800A	0.00001%
Max Pulse Efficiency at 2900A	0.000005%
Max Pulse Efficiency at 3000A	0.000002%
Max Pulse Efficiency at 3100A	0.000001%
Max Pulse Efficiency at 3200A	0.0000005%
Max Pulse Efficiency at 3300A	0.0000002%
Max Pulse Efficiency at 3400A	0.0000001%
Max Pulse Efficiency at 3500A	0.00000005%
Max Pulse Efficiency at 3600A	0.00000002%
Max Pulse Efficiency at 3700A	0.00000001%
Max Pulse Efficiency at 3800A	0.000000005%
Max Pulse Efficiency at 3900A	0.000000002%
Max Pulse Efficiency at 4000A	0.000000001%
Max Pulse Efficiency at 4100A	0.0000000005%
Max Pulse Efficiency at 4200A	0.0000000002%
Max Pulse Efficiency at 4300A	0.0000000001%
Max Pulse Efficiency at 4400A	0.00000000005%
Max Pulse Efficiency at 4500A	0.00000000002%
Max Pulse Efficiency at 4600A	0.00000000001%
Max Pulse Efficiency at 4700A	0.000000000005%
Max Pulse Efficiency at 4800A	0.000000000002%
Max Pulse Efficiency at 4900A	0.000000000001%
Max Pulse Efficiency at 5000A	0.0000000000005%
Max Pulse Efficiency at 5100A	0.0000000000002%
Max Pulse Efficiency at 5200A	0.0000000000001%
Max Pulse Efficiency at 5300A	0.00000000000005%
Max Pulse Efficiency at 5400A	0.00000000000002%
Max Pulse Efficiency at 5500A	0.00000000000001%
Max Pulse Efficiency at 5600A	0.000000000000005%
Max Pulse Efficiency at 5700A	0.000000000000002%
Max Pulse Efficiency at 5800A	0.000000000000001%
Max Pulse Efficiency at 5900A	0.0000000000000005%
Max Pulse Efficiency at 6000A	0.0000000000000002%
Max Pulse Efficiency at 6100A	0.0000000000000001%
Max Pulse Efficiency at 6200A	0.00000000000000005%
Max Pulse Efficiency at 6300A	0.00000000000000002%
Max Pulse Efficiency at 6400A	0.00000000000000001%
Max Pulse Efficiency at 6500A	0.000000000000000005%
Max Pulse Efficiency at 6600A	0.000000000000000002%
Max Pulse Efficiency at 6700A	0.000000000000000001%
Max Pulse Efficiency at 6800A	0.0000000000000000005%
Max Pulse Efficiency at 6900A	0.0000000000000000002%
Max Pulse Efficiency at 7000A	0.0000000000000000001%
Max Pulse Efficiency at 7100A	0.00000000000000000005%
Max Pulse Efficiency at 7200A	0.00000000000000000002%
Max Pulse Efficiency at 7300A	0.00000000000000000001%
Max Pulse Efficiency at 7400A	0.000000000000000000005%
Max Pulse Efficiency at 7500A	0.000000000000000000002%
Max Pulse Efficiency at 7600A	0.000000000000000000001%
Max Pulse Efficiency at 7700A	0.0000000000000000000005%
Max Pulse Efficiency at 7800A	0.0000000000000000000002%
Max Pulse Efficiency at 7900A	0.0000000000000000000001%
Max Pulse Efficiency at 8000A	0.00000000000000000000005%
Max Pulse Efficiency at 8100A	0.00000000000000000000002%
Max Pulse Efficiency at 8200A	0.00000000000000000000001%
Max Pulse Efficiency at 8300A	0.000000000000000000000005%
Max Pulse Efficiency at 8400A	0.000000000000000000000002%
Max Pulse Efficiency at 8500A	0.000000000000000000000001%
Max Pulse Efficiency at 8600A	0.0000000000000000000000005%
Max Pulse Efficiency at 8700A	0.0000000000000000000000002%
Max Pulse Efficiency at 8800A	0.0000000000000000000000001%
Max Pulse Efficiency at 8900A	0.00000000000000000000000005%
Max Pulse Efficiency at 9000A	0.00000000000000000000000002%
Max Pulse Efficiency at 9100A	0.00000000000000000000000001%
Max Pulse Efficiency at 9200A	0.000000000000000000000000005%
Max Pulse Efficiency at 9300A	0.000000000000000000000000002%
Max Pulse Efficiency at 9400A	0.000000000000000000000000001%
Max Pulse Efficiency at 9500A	0.0000000000000000000000000005%
Max Pulse Efficiency at 9600A	0.0000000000000000000000000002%
Max Pulse Efficiency at 9700A	0.0000000000000000000000000001%
Max Pulse Efficiency at 9800A	0.00000000000000000000000000005%
Max Pulse Efficiency at 9900A	0.00000000000000000000000000002%
Max Pulse Efficiency at 10000A	0.00000000000000000000000000001%



SD-51.2V 320AH

SD-51.2V 320AH

SD-51.2V

320AH

100% DOD

100% DOF

SD-51.2V 320AH

SD-51.2V 320AH

SD-51.2V

320AH

100% DOD

100% DOF

100% DOD



High-voltage, stackable battery system

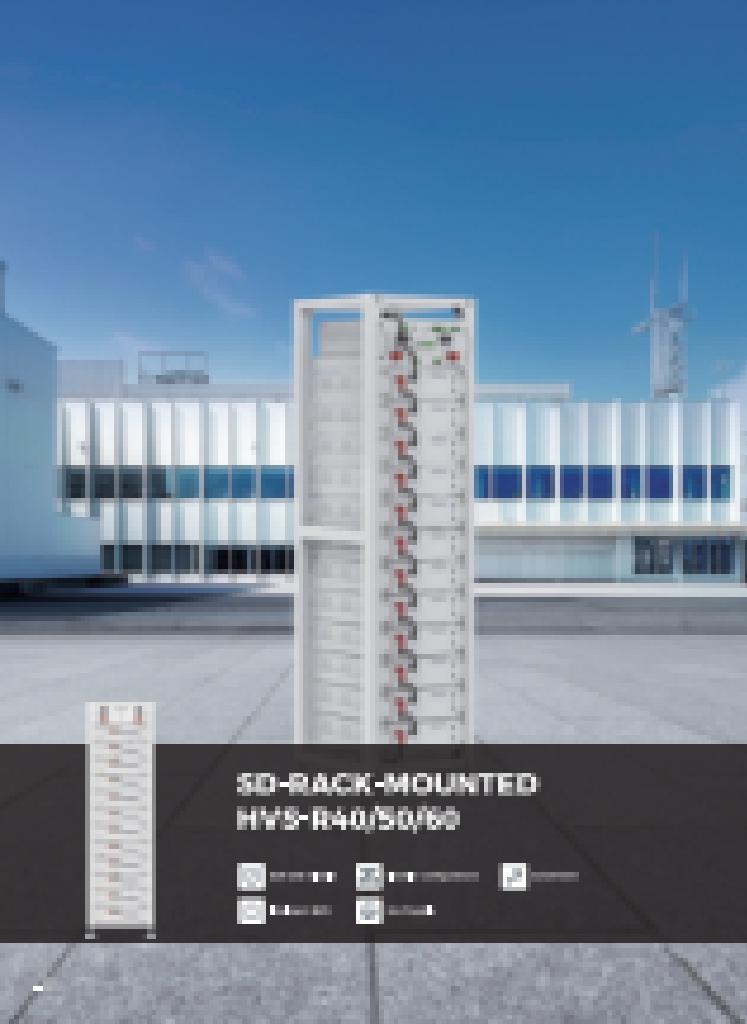
- [High-voltage, stackable battery system](#)
- [Modular design](#)
- [Up to 100 kWh capacity](#)

MANUFACTURED IN:

U.S. / U.K. / Germany

High-voltage, stackable battery system





SD-RACK-MOUNTED

SD-RACK-MOUNTED HYS-60-

SD-RACK-MOUNTED

Antenna type	SD-RACK-MOUNTED	HYS-60
Antenna height	10 m	10 m
Antenna width	1.2 m	1.2 m
Antenna depth	0.4 m	0.4 m
Antenna weight	100 kg	100 kg
Antenna gain	10 dBi	10 dBi
Antenna polarization	Horizontal	Horizontal
Antenna frequency range	400-500 MHz	400-500 MHz
Antenna connector	N male	N male
Antenna mounting	SD-RACK-MOUNTED	SD-RACK-MOUNTED

SD-RACK-MOUNTED

Antenna type	SD-RACK-MOUNTED	HYS-60
Antenna height	10 m	10 m
Antenna width	1.2 m	1.2 m
Antenna depth	0.4 m	0.4 m
Antenna weight	100 kg	100 kg
Antenna gain	10 dBi	10 dBi
Antenna polarization	Horizontal	Horizontal
Antenna frequency range	400-500 MHz	400-500 MHz
Antenna connector	N male	N male
Antenna mounting	SD-RACK-MOUNTED	SD-RACK-MOUNTED

S



SAFETY & RELIABILITY

UL 1640 CERTIFIED

UL 1640

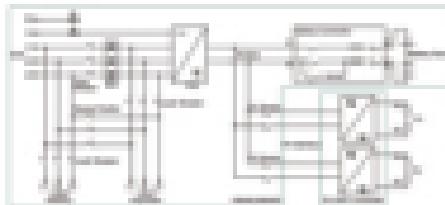
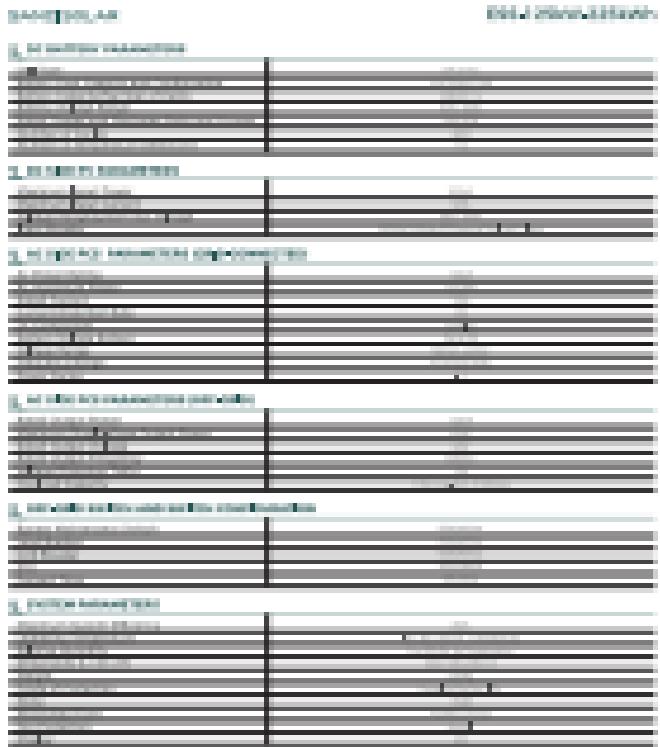
DATA CENTER TIER 4

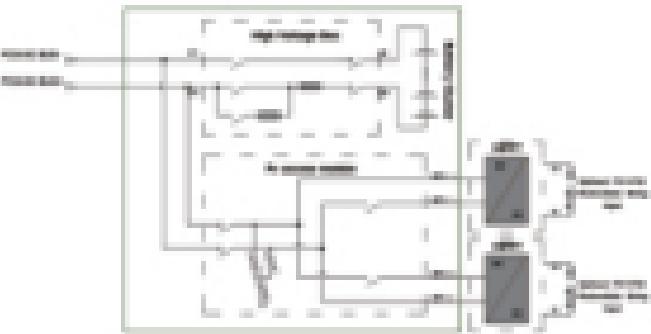


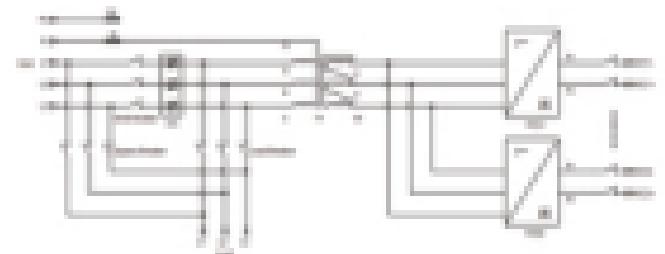
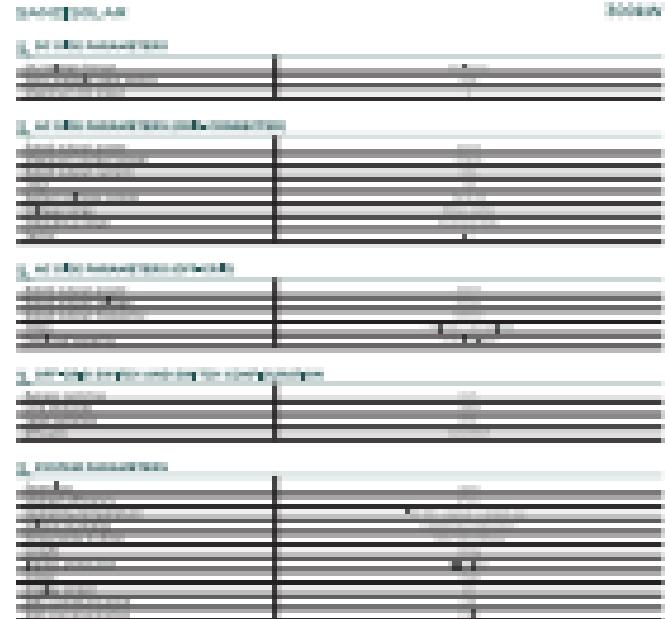


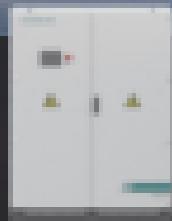
125kW 225kWh

Energy Storage System
for 5 Years Payback



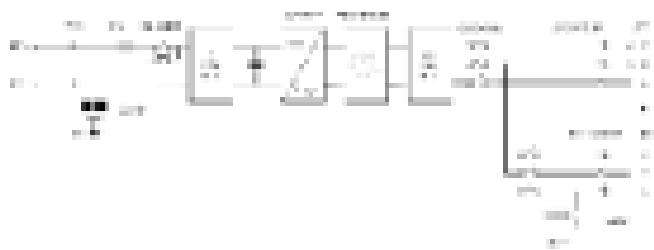
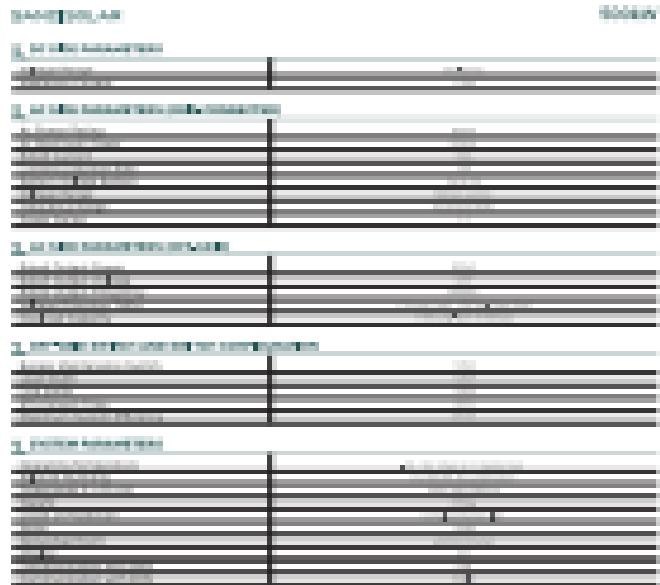






500kW

5.0-Megawatt Energy Storage System
for 5 Years Warranty





64kW

Renew Energy MM440 Controller
for 5 Years Warranty



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Siemens MM440

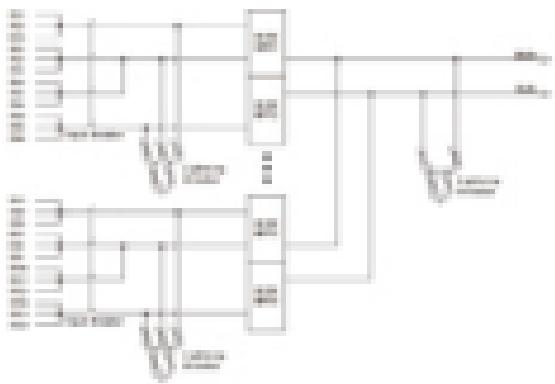
Siemens MM440

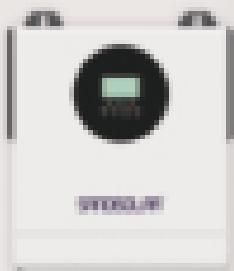


Siemens MM440



Siemens MM440





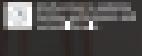
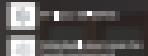
PHOTOGRAPHY



SD-HYM-1215H

1.85W

ON/OFF switch and zoom



SD-HYM-1215H

SD-HYM-1215H

TYPE

Image sensor

IMAGE SIZE

Image sensor

1.85W

Image sensor

1.85W

Image sensor

1.85W

Image sensor

SD-HYM-1215H

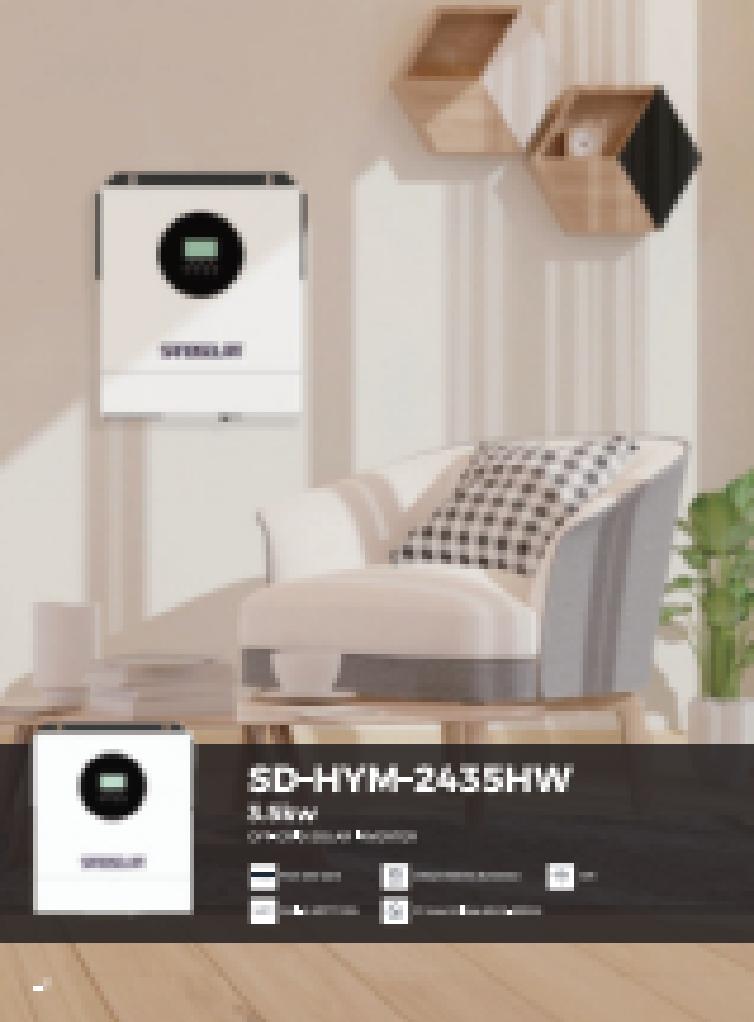
Image sensor

1.85W

Image sensor

1.85W

Image sensor



SD-HYM-2435HW	SD-HYM-2435HW
TYPE	COOLING & HEATING
TEMPERATURE	16°C - 30°C
HUMIDITY	30% - 80%
VENTILATION	100% AIR PURIFICATION
AIR FLOW	100% AIR CIRCULATION
COOLING	100% COOLING
HEATING	100% HEATING
AIR PURIFICATION	100% AIR PURIFICATION
AIR CIRCULATION	100% AIR CIRCULATION
COOLING & HEATING	100% COOLING & HEATING
COOLING & AIR PURIFICATION	100% COOLING & AIR PURIFICATION
COOLING & AIR CIRCULATION	100% COOLING & AIR CIRCULATION
COOLING & HEATING & AIR PURIFICATION	100% COOLING & HEATING & AIR PURIFICATION
COOLING & HEATING & AIR CIRCULATION	100% COOLING & HEATING & AIR CIRCULATION
COOLING & HEATING & AIR PURIFICATION & CIRCULATION	100% COOLING & HEATING & AIR PURIFICATION & CIRCULATION



SD-HYM-486SP

8.8W

CLASS D HARMONIC AMPLIFIER



SD-HYM-486SP

CLASS D HARMONIC

TYPE

AMPLIFIER

SD-HYM-486SP



SD-HYM-48110P

11kw

Open/Closed loop pump



SD-HYM-48110P

SD-HYM-48110P

TYPE

Open/Closed

1. Power	11kw	11kw
2. Frequency	50Hz	50Hz
3. Current	11A	11A
4. Voltage	220V	220V
5. Water flow	11m³/h	11m³/h

2. Power

11kw

1. Frequency	50Hz	50Hz
2. Current	11A	11A
3. Voltage	220V	220V
4. Water flow	11m³/h	11m³/h
5. Pump head	10m	10m

3. Current

11A

1. Frequency	50Hz	50Hz
2. Current	11A	11A
3. Voltage	220V	220V
4. Water flow	11m³/h	11m³/h
5. Pump head	10m	10m

4. Water flow & Pump head

11m³/h
10m

1. Frequency	50Hz	50Hz
2. Current	11A	11A
3. Voltage	220V	220V
4. Water flow	11m³/h	11m³/h
5. Pump head	10m	10m

5. Voltage

220V

1. Frequency	50Hz	50Hz
2. Current	11A	11A
3. Voltage	220V	220V
4. Water flow	11m³/h	11m³/h
5. Pump head	10m	10m

6. Pump head

10m



SD-HYM-48120P

120w

Clean Air Quality Monitor



SD-HYM-48120P

120W

Clean Air Quality Monitor

1. Power



2. Light



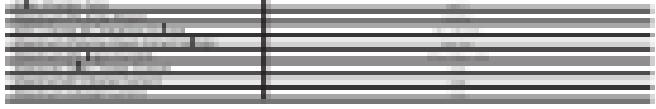
3. Motion



4. Battery



5. Clean Air Quality Monitor



6. Wi-Fi



7. Brightness Adjustment



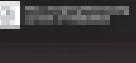
8. Volume





SUN-6 Kocoulm-6U
SUN-8 Kocoulm-8U

Systematic



EUROPEAN UNION
DIRECTIVE 2004/108/EC

ANNEX II, A.2

TYPE	TESTS	TESTS
II. EMISSIONS STATEMENT		
II.1. Unintended emission	None	None
II.2. Intended emission	None	None
II.3. Intended emission	None	None
III. INFORMATION STATEMENT		
III.1. Systematic	None	None
III.2. Intended emission	None	None
III.3. Unintended emission	None	None
IV. INFORMATION STATEMENT		
IV.1. Systematic	None	None
IV.2. Intended emission	None	None
IV.3. Unintended emission	None	None



SUN-12K son12k-EU SUN-15K/20K son15p3-EU-SP42

Technical

- [EN 13201-2](#)
- [EN 13201-3](#)
- [EN 13201-4](#)
- [EN 13201-5](#)
- [EN 13201-6](#)
- [EN 13201-7](#)
- [EN 13201-8](#)
- [EN 13201-9](#)

SUN-12K/15K/20K	TECHNICAL DOCUMENTATION			
	TYPE	EN 13201-2	EN 13201-3	EN 13201-4
1. PRODUCT INFORMATION				
2. TECHNICAL DATA				
3. PERFORMANCE DATA				
4. DESIGN FEATURES				
5. PROTECTION CLASSIFICATION				
6. CONSTRUCTION				
7. APPROVALS				
8. DIMENSIONS				
9. WEIGHTS				
10. ACCESSORIES				



NAME/TYPE, L1	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L1	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L2	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L3	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L4	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L5	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L6	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L7	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L8	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L9	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L10	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L11	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L12	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L13	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L14	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L15	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L16	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17
NAME, L17	NAME, L1/L2/3/4/5/6/7/8/9/10/11/12/13/14/15/16/17



3.5KW/1P/UPS

AC/DC Conversion Type

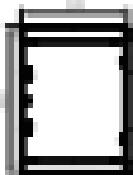


Technical Parameters

Product Model: UPS3.5KVA

Parameter	Value	Parameter	Value	Parameter	Value
Output Power	3.5KVA	Output Frequency	50Hz	Output Voltage	220V
Input Power	3.5KVA	Input Frequency	50Hz	Input Voltage	220V
Output Efficiency	>90%	Output Power Factor	0.8	Output Protection	Overload protection, short circuit protection, over voltage protection, under voltage protection, over temperature protection
Output Protection	Overload protection, short circuit protection, over voltage protection, under voltage protection, over temperature protection	Protection Level	IP20	Dimensions (WxDxH)	450x180x450mm
Weight	15kg	Color	White		

Product Structure

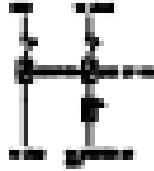


Product Application

1. Home



2. Office



3. Data Center

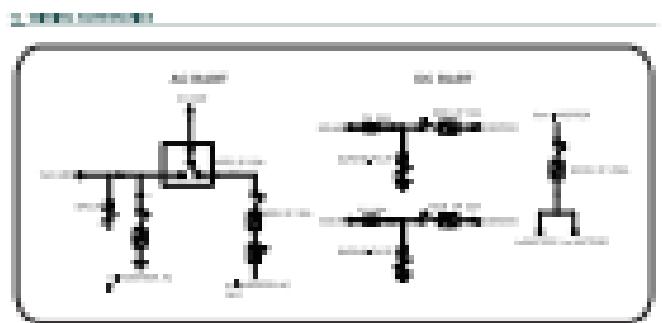
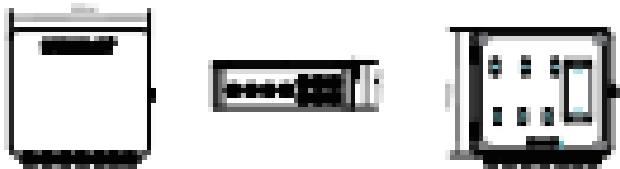




SKW-1P/PV
AC/DC Condition Box



Parameter	Value	Description
Power	1000W	Total power output
Voltage	220V	Standard operating voltage
Current	5A	Maximum current capacity
Temperature	-20°C to 50°C	Operating temperature range
Humidity	10% to 90%	Relative humidity tolerance
Dimensions	Width: 40cm, Height: 30cm, Depth: 15cm	Physical dimensions
Weight	25kg	Total weight





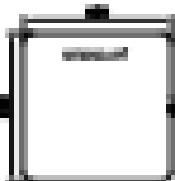
MANUFACTURER

ITEM NUMBER

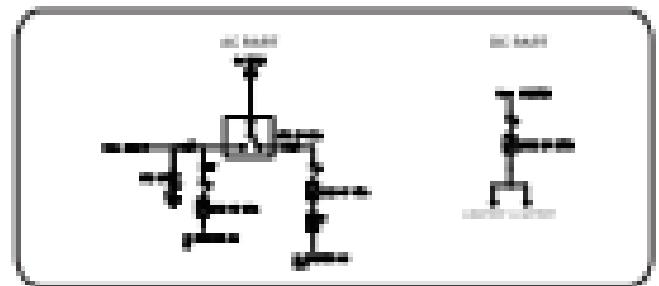
ITEM NUMBER FOR EQUIPMENT

ITEM	ITEM NUMBER	ITEM NUMBER	ITEM NUMBER	ITEM NUMBER
1. Power				
2. Control				
3. Protection				
4. Communication				
5. Other				

ITEM NUMBER FOR EQUIPMENT



ITEM NUMBER



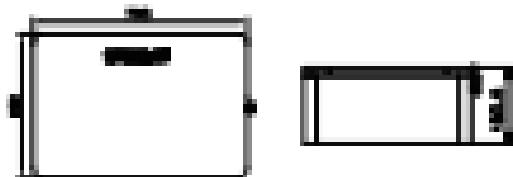


8kW/3P/PV
AC/DC Conditioner Unit

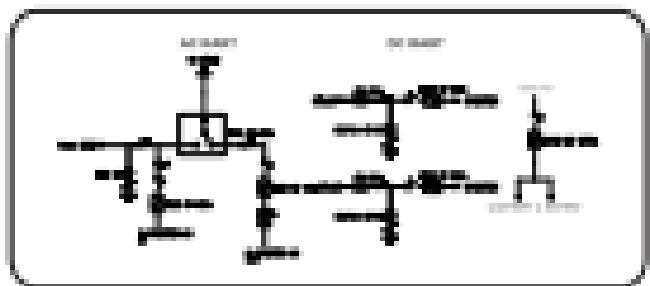


Product	Standard	Modular	Advanced	Custom	Notes
8kW/3P/PV	✓	✓	✓	✓	
10kW/3P/PV	✓	✓	✓	✓	
12kW/3P/PV	✓	✓	✓	✓	
15kW/3P/PV	✓	✓	✓	✓	
18kW/3P/PV	✓	✓	✓	✓	
20kW/3P/PV	✓	✓	✓	✓	
25kW/3P/PV	✓	✓	✓	✓	
30kW/3P/PV	✓	✓	✓	✓	
35kW/3P/PV	✓	✓	✓	✓	
40kW/3P/PV	✓	✓	✓	✓	
45kW/3P/PV	✓	✓	✓	✓	
50kW/3P/PV	✓	✓	✓	✓	
60kW/3P/PV	✓	✓	✓	✓	
70kW/3P/PV	✓	✓	✓	✓	
80kW/3P/PV	✓	✓	✓	✓	
90kW/3P/PV	✓	✓	✓	✓	
100kW/3P/PV	✓	✓	✓	✓	

[View Product Details](#)



[View Details](#)





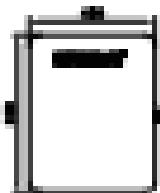
INTEROLIN, A/S

INTEROLIN GROUP

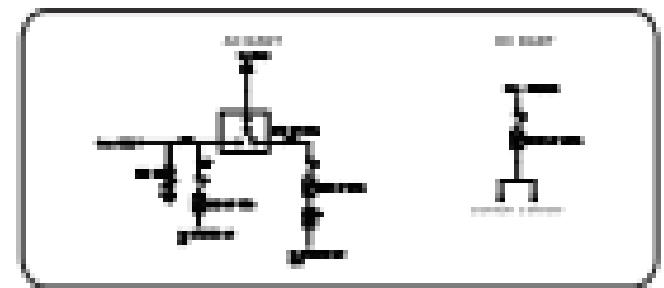
INTEROLIN GROUP

Product	Power	Control	Protection	Accessories
1P UPS	12kW	PLC	IP20	None
1P UPS	12kW	PLC	IP20	None
1P UPS	12kW	PLC	IP20	None
1P UPS	12kW	PLC	IP20	None

INTEROLIN GROUP



INTEROLIN GROUP



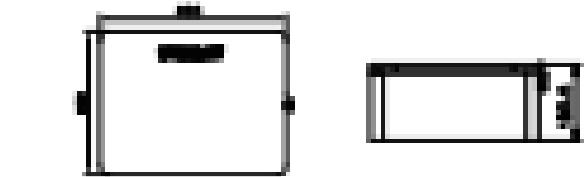


INTERLINE

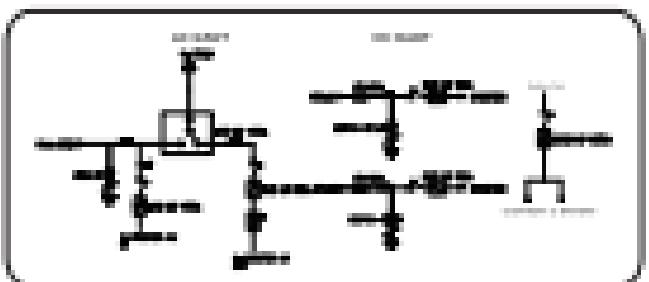
AC/DC Conditioner Box

ITEM	UNIT	TYPE	FUNCTION	OPTION	NOTE
1. AC/DC Conditioner Box	PCB	PCB	AC/DC Conditioner		
2. Power Supply Unit	PCB	PCB	Power Supply		
3. Control Unit	PCB	PCB	Control Unit		
4. DC/DC Converter	PCB	PCB	DC/DC Converter		
5. PV Array	PCB	PCB	PV Array		
6. Inverter	PCB	PCB	Inverter		
7. Transformer	PCB	PCB	Transformer		
8. Cables	PCB	PCB	Cables		
9. Mounting Brackets	PCB	PCB	Mounting Brackets		
10. Grounding	PCB	PCB	Grounding		

AC/DC Conditioner Box



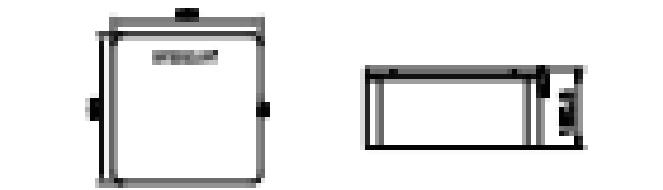
Control Unit



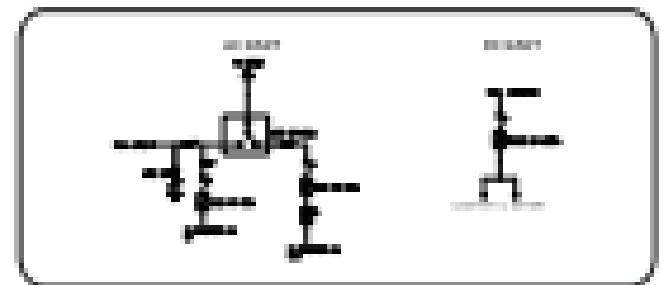


Model	Power	Phase	Frequency	Output Power	Output Phase
SANTOLIN	12KW	3P	50Hz	12KW	3P
			60Hz	12KW	3P
			50/60Hz	12KW	3P
			400V	12KW	3P

AC/DC Condition Box



AC/DC Condition Box





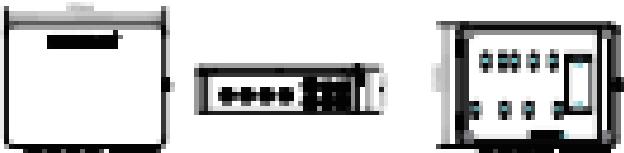
12kW/3P/PV

AC/DC Combiner Box

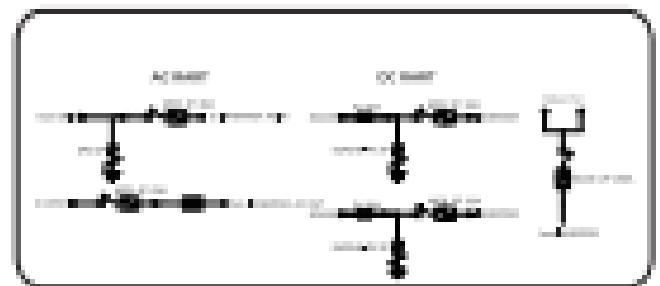
Technical Data Sheet

Parameter	Min.	Max.	Unit	Value
AC Input Power	~	~	kW	12
AC Input Frequency	~	~	Hz	50
AC Input Voltage	~	~	V	380
DC Input Power	~	~	kW	12
DC Input Current	~	~	A	100
DC Input Voltage	~	~	V	480
AC Output Power	~	~	kW	12
AC Output Frequency	~	~	Hz	50
AC Output Voltage	~	~	V	380
DC Output Power	~	~	kW	12
DC Output Current	~	~	A	100
DC Output Voltage	~	~	V	480

Product Components



System Diagram





DC1.5KV Solar PV Cable

Single conductor, solid PV cable
with polyvinyl chloride insulation

Overall: 21.0mm²



DC1.5KV Solar PV Cable

Product Overview

Product Overview

Product Name:	DC1.5KV Solar PV Cable
Product Type:	Solar PV Cable
Standard:	IEC 62870-2010
Color:	Red
Length:	50m

Product Overview

Color:	Red
Length:	50m
Standard:	IEC 62870-2010

Product Overview

Product Overview

Product Name:	DC1.5KV Solar PV Cable
Product Type:	Solar PV Cable
Standard:	IEC 62870-2010
Color:	Red
Length:	50m

Product Overview

Product Name:	DC1.5KV Solar PV Cable
Product Type:	Solar PV Cable
Standard:	IEC 62870-2010
Color:	Red
Length:	50m

Product Overview

Product Overview

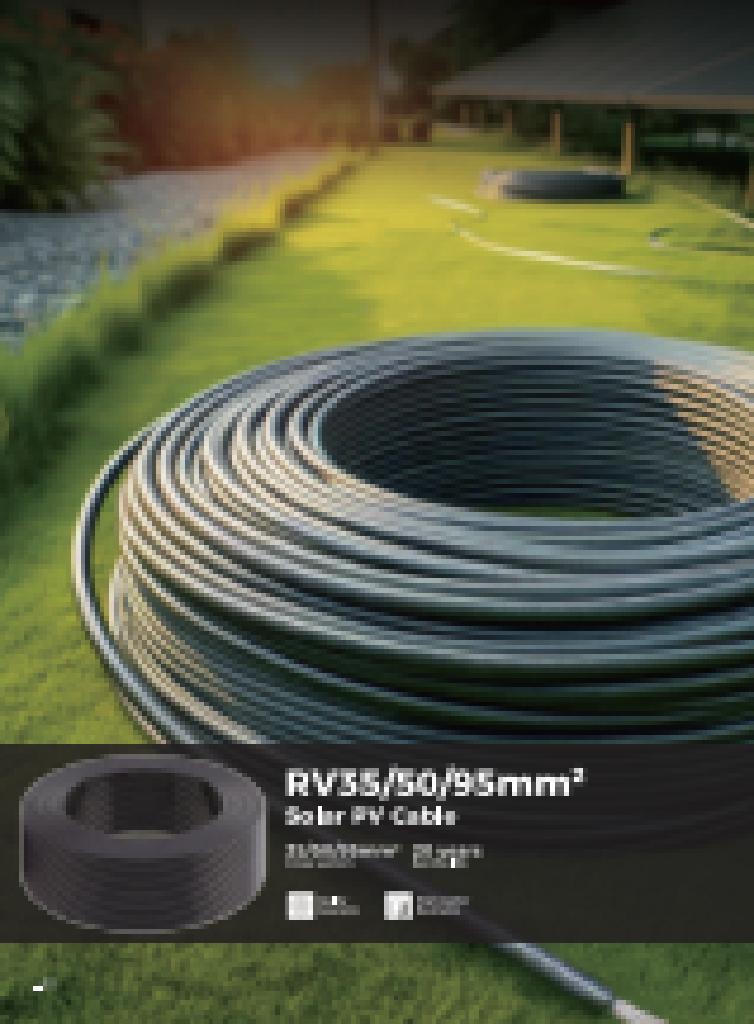
Item	Detail	Physical Dimensions	Unit Weight
Conductor	1.5mm ²	10.5mm x 1.5mm	1.5kg/m
Outer jacket	PE	10.5mm x 1.5mm	0.5kg/m
Outer jacket thickness	1.5mm	10.5mm x 1.5mm	0.5kg/m
Overall	21.0mm ²	10.5mm x 1.5mm	2.0kg/m
Overall diameter	21.0mm ²	10.5mm x 1.5mm	2.0kg/m
Overall length	50m	10.5mm x 1.5mm	100kg

Product Overview

UL Listed, IEC 62870-2010, RoHS Compliant, CE Certified, TUV Approved

Product Overview

Designed for solar panel connection, this cable is ideal for connecting solar panels to inverters.



RVSS/50/95mm²

Solar PV Cable

UL Listed UL2703

■ 50m ■ 100m

SHAWTECH, LTD.

ShawTech® ShawTech® ShawTech®

TYPE	UL Listed	CE Listed	RoHS
UL Listed Products			
Power cable	✓	✓	✓
Ground cable	✓	✓	✓
CE Listed			
Power cable	✓	✓	✓
Ground cable	✓	✓	✓
RoHS			
Power cable	✓	✓	✓
Ground cable	✓	✓	✓
RoHS Exempted Products			
Power cable	✓	✓	✓
Ground cable	✓	✓	✓
RoHS Approved			
Power cable	✓	✓	✓
Ground cable	✓	✓	✓

S

PROJECT CASE

10



GATEWAY INDUSTRIAL PARK PROJECT

- ④ LOCATION: HANOI
- ⑤ OWNER: SOCOMI/HANOI
- ⑥ DATE OF COMPLETION:



LIC 2 IN INDUSTRIAL PARK PROJECT

- ④ LOCATION: HANOI
- ⑤ OWNER: SOCOMI/HANOI
- ⑥ DATE OF COMPLETION:



HOT SPRINGS PROJECT

- ④ LOCATION: HANOI
- ⑤ OWNER: SOCOMI/HANOI
- ⑥ DATE OF COMPLETION:



HANOI HOT SPRINGS

- ④ LOCATION: HANOI
- ⑤ OWNER: SOCOMI/HANOI
- ⑥ DATE OF COMPLETION:

11

12