R&D Center Add: A3-901, CAS Incubation Centre, Science and Education Town, No.18 Changwu Middle Road, Changzhou, China

Manufacturing Base: #E5, Wujin Integrated Free TradeZone, Changzhou, China.

Email: info@superen.net Tel: +86-519-8556 9999/610 Fax: +86-519-8333 2577 Website: www.superentech.com SUPEREN

CHANGZHOU SUPEREN NEW ENERGY
TECHNOLOGY CO., LTD.



里程碑

2019-now **DEVELOPMENT HISTORY** Domestic market promotion and continuous R&D 2021 Development Opportunity Since the year of 2006 'Dual Carbon'was introduced Dedicated in solar technology & application by China government. Production based in Changzhou, Jiangsu Wildly used in 20+ countries. Multiple invention patents of solar AC. 2013-2018 ACDC tech-line established. 2022 2021 Continuous R&D and overseas 2006-2012 2019 The solar module drives the develoApment of solar application products. 2018 Jupiter series (R32) Started marketing was completed, and in Asia, Africa and the market promotion Latin America. 2016 started. Started R&D of solar heat pumps, Test of the ACDC 2014 Hybrid in the telecom The development 2013 2012 of solar heat pump station in China was unicef 🚱 2011 (Mercury series) completed. 45%+ was completed energy saving was approved. and entered into 2010 SuperEn entered in **Trina**solar testing. several NGO Start marketing in The 2nd Gen of 天合光能 HYBIRD upgraded America , Australia, vendor lists, such ACDC Hybrid solar to 3.0 conformed as MSF and UNICEF. 2009 Cooperated with Acquisition of to the new energy air conditioner The 1st Gen of Trina Solar, capacity 2007 DC48V full DC air © GUITEL efficiency policy, ETL, CE, MEPS 2006 Activate the new succeeded and ACDC Hybrid of production conditioner was ACDC Hybrid was and launched the certifications R&D center. sales started in solar air expanded to 500MW. upgraded to Gen-2.5. MARS series tested in African The 1st Gen of solar for ACDC approved by Unitel the 4th QoQ. conditioner was telecoms-station **⊜**ΠESL air conditioner SUPEREN and widely used in Hybrid solar air SURÍSE 6 successfullyproject. Capacity telecom stations. & foldable solar conditioner. developed. SuperEn was reached to 400MW **NESL** system were Invested in and annual sales registered. **SOLARTECH** developed SunRrse Solar volume \$156.3 M. Established

客户分布及典型案例分享

CUSTOMER DISTRIBUTION & TYPICAL CASE SHARING







































America-Wooden Hotel



Philippines-Hospital



Southeast Asia-Private House



Australia-Villia



Philippines- Private House

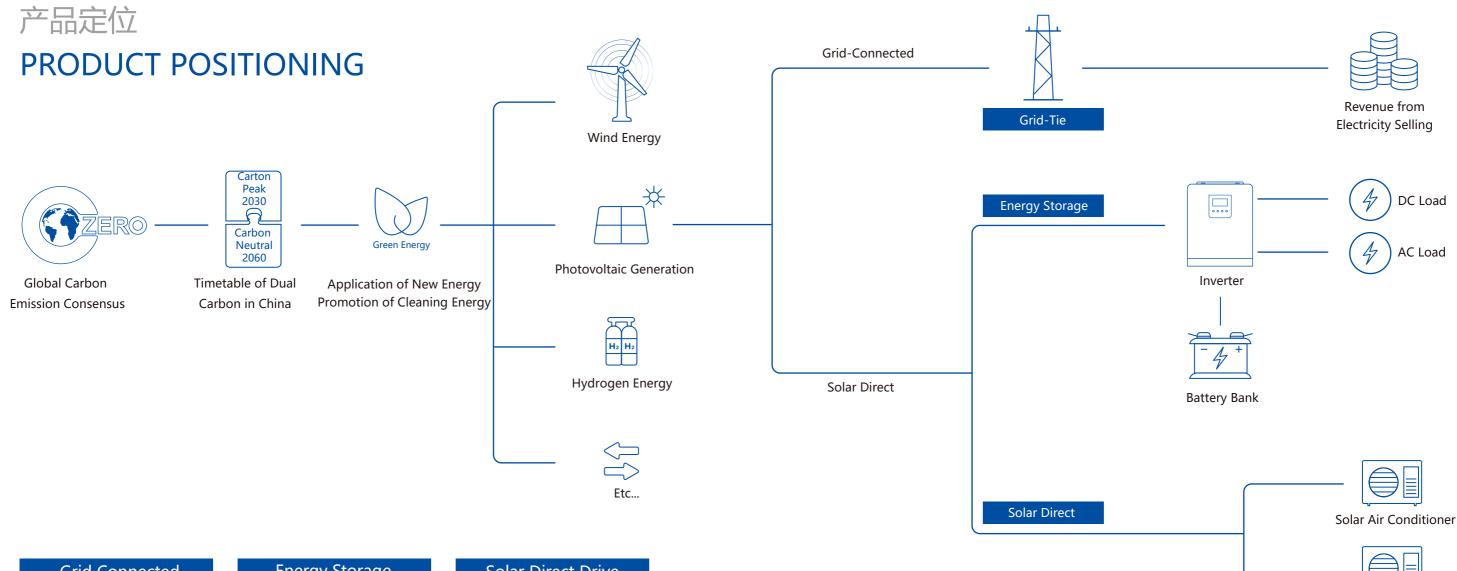


Australia-Villia

Sweden-VSB Humanitarian Rescue

Canada-Office

Angola-Telecom Station



Grid Connected

Advantage

Simple system with abundant revenue. Moderate maintenance cost.

Disadvantages:

Investment revenue affected by the policy. Long return period.

Application

Abundant sunlight and large-scale solar energy generation.

Energy Storage

Advantage

Solution of solar energy lacking at night. AC equipment can be used through energy storage.

Disadvantages:

High investment and maintenance cost. Limited application area and DC equipment.

Application

Stable power demand.

Solar Direct Drive

Advantage

No need of inverter and energy storage systems. Highest utilization rate of solar energy.

Low maintenance cost.

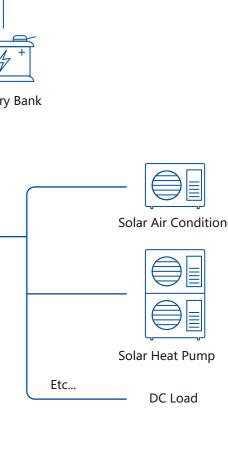
Higher electricity price, higher ROI.

Disadvantages:

No backup, use city power only at night.

Application

Stable need for air conditioner and hot water during the day. Areas of high electricity price in the daytime



核心技术

CORE TECHNOLOGY

Self-Dependent Innovation

ADH Seamless Multi-Energy Switching Control Technology

Seamless switch between dual power inputs.

The use of green energy as priority.

Significantly energy consumption reduction

ADMS Intelligent Energy Management System

Cross-industry integration of new energy introduction solutions using highspeed DSP chips which integrates the control and calculation of BLDC motor drive (FOC), air conditioner frequency control (compressor, fan, etc. operation), AC/DC conversion, DC/DC power following (MPPT) and conversion, solenoid valve, stepper motor, etc., by using innovative green energy methods such as solar power generation, wind power, and photovoltaic storage with air conditioner energy consumption.

The sampling of current, voltage, speed, temperature, etc. of each input circuit is integrated into one chip for driving and regulation, which is an innovative example of cross-industry application of new technology.



Core Moudle: PCBA unit



DC

Inverter

Compressed Drive

Space Vector Control(FOC)



Power

Conversion

&Power Tracking

MPPT & DC BOOST



Human-Machine

Interaction

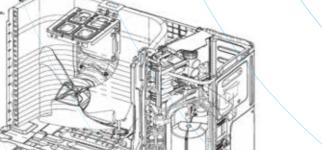
&Temperature Control

Control Technology Platform











AIR CONDITIONER



VENTILATION



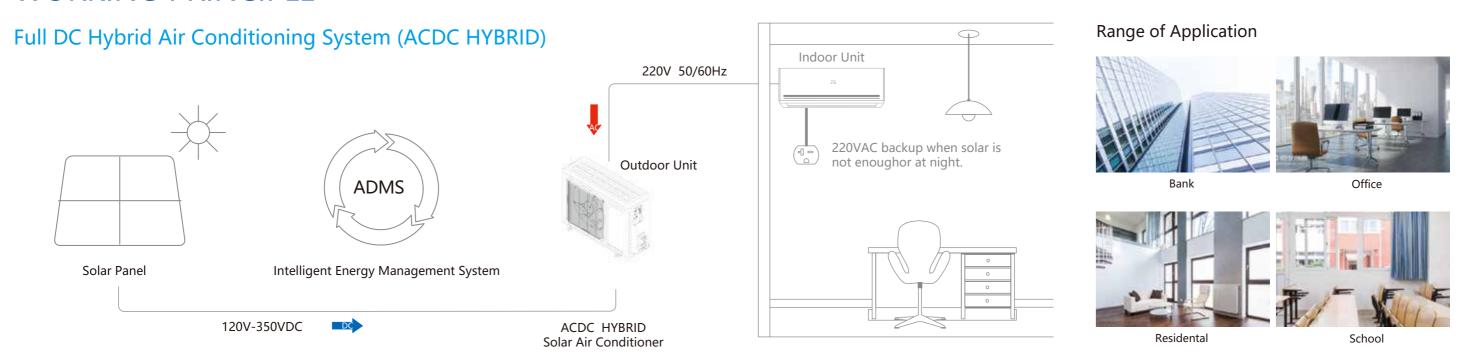


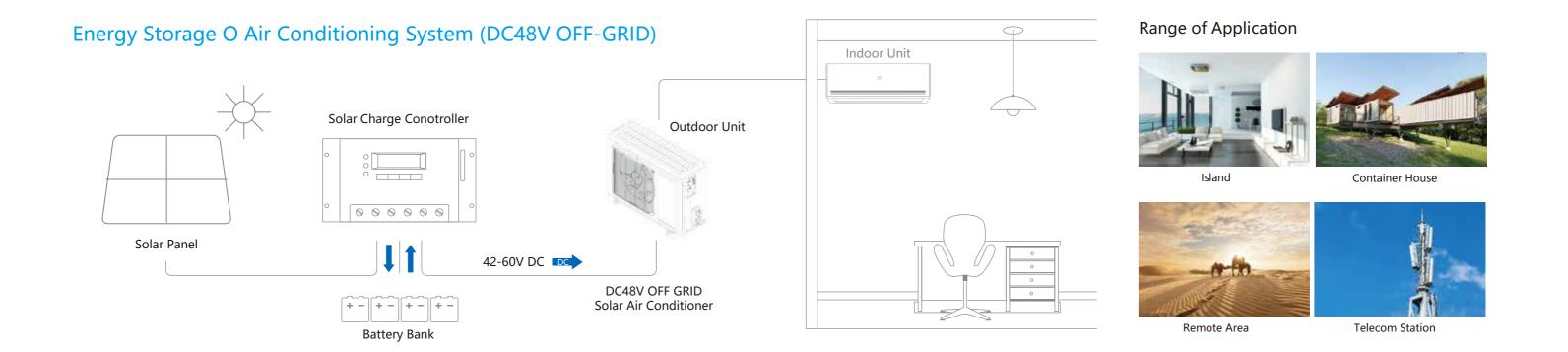
REFRIGERATION



光伏空调系统工作原理

SOLAR AIR CONDITIONING SYSTEM WORKING PRINCIPLE





PRODUCT SERIES Venus





















Model			ACDC HYBRID12 DC48 12V DFAX	ACDC HYBRID 18	ACDC HYBRID 24
Capacity	Cooling		12,000Btu/ 1.5P/ 1.0Ton	18,000Btu/ 2.0P/ 1.5Ton	22,000Btu/ 3.0P/ 2.0Tor
- cupacity	Heating		12,000Btu/ 1.5P/ 1.0Ton	18,000Btu/ 2.0P/ 1.5Ton	22,000Btu/ 3.0P/ 2.0Tor
Electric Data					
Power Input –	Cooling	W	1000	1400	1950
Power Input —	Heating	W	970	1350	2050
Datad Coment	Cooling	Α	4.44 / 20.8	6.2	9.1
Rated Current —	Heating	Α	4.30 / 20.2	6.0	9.5
Power Supply		Ph,V,Hz	1Ph, 208-230V, 50/60Hz	1Ph, 208-230V, 50/60Hz	1Ph, 208-230V, 50/60Hz
Tower Supply	_	V	DC120-350V / DC42-60V	DC120-350V	DC120-350V
Performance					
FFD	Cooling	W/W	3.52	3.64	3.3
EER -	Heating	W/W	3.60	3.78	3.14
COP –	Cooling	W/W	6.4	6.1	5.8
COP –	Heating	W/W	3.2	3.2	2.92
Airflow	Indoor unit	M³/H	650	1050	1300
Noise _	Indoor unit	dB(A)	43	49	50
ivoise _	Outdoor unit	dB(A)	51	57	59
Dimonsion & Weight	Indoor unit	MM	876*298*19	986*315*225	1121*329*231
(Wx H x D)	Outdoor unit	MM	730*545*285	900*700*350	2.3P-890*320*670
Body Dimension	Indoor unit	MM	997*370*285	1053*372*287	1205*400*317
(Wx H x D)	Outdoor unit	MM	850*620×370	1020*770×430	1020*770×430
Not Weight	Indoor unit	KG	10/12	14/16.5	14/16.5
Net Weight –	Outdoor unit	KG	32/36	48/53	48/53
Loading Quantity	40'HQ	DCC	225	107	125
(units only)	40 HQ	PCS	235	187	135
Swing(U&D, L&R)		/	U&D, L&R	U&D, L&R	U&D
Liquid Quantity (R410	DA)	KG	1.10	1.6	1.62
Application Area		M ²	16-26		32-47

























PRODUCT SERIES Mars

















Model			ACDC HYBRID 12 DC48 12V RFYZ	ACDC HYBRID 18 DC48 18V RFYZ	ACDC HYBRID 24
Canacity	Cooling		12,000Btu/ 1.5P/ 1Ton	18,000Btu/ 2.0P/ 1.5Ton	24,000Btu/ 3.0P/ 2.0To
Capacity –	Heating		12,000Btu/ 1.5P/ 1Ton	18,000Btu/ 2.0P/ 1.5Ton	24,000Btu/ 3.0P/ 2.0To
Electric Data					
Power Input –	Cooling	W	825	1320/1250	1980
- Tower input	Heating	W	840 / 800	1290/1200	1880
Rated Current –	Cooling	Α	3.8 / 17.5	6/26.5	9
Nateu Current –	Heating	Α	3.8 / 17.0	5.86/25	8.54
Power Supply		Ph,V,Hz	1Ph, 208-230V, 50/60Hz	1Ph, 208-230V, 50/60Hz	1Ph, 208-230V, 50/60Hz
Tower Supply	_	V	DC120-350V / DC42-60V	DC120-350V/DC42-60V	DC120-350V
Performance					
EER -	Cooling	W/W	4.24	3.86 / 3.84	3.54
LLIX -	Heating	W/W	4.16 / 4.37	3.95 / 4	3.78
СОР	Cooling	W/W	6.8	6.4	6.1
COI	Heating	W/W	3.2	3.2	3.2
Airflow	Indoor unit	M³/H	700	1000	1200
	Indoor unit	dB(A)	24-37-42	33-41-44	38-45-48
Noise	Outdoor unit	dB(A)	< 51	< 54	< 56
Dimonsion & Weight					
Dimonsion & Weight	Indoor unit	MM	860*308*215	1078*325*257	1078*325*257
(Wx H x D)	Outdoor unit	MM	874*559*353	874*559*353	989*715*400
Body Dimension		MM	923*365*280	1169*405*366	1169*405*366
(Wx H x D)	Outdoor unit	MM	913*604×383	913*604×383	1039*780*468
Net Weight _	Indoor unit	KG	11/13	17/20	17/20
	Outdoor unit	KG	30/33	35/39	44/49
Loading Quantity (units only)	40'HQ	PCS	230	180	125
Swing(U&D, L&R)		/	U&D	U&D, L&R	U&D, L&R
Liquid Quantity (R410	DA)	KG	1.10	1.26	1.40
Application Area		M ²	16-26	24-35	32-47















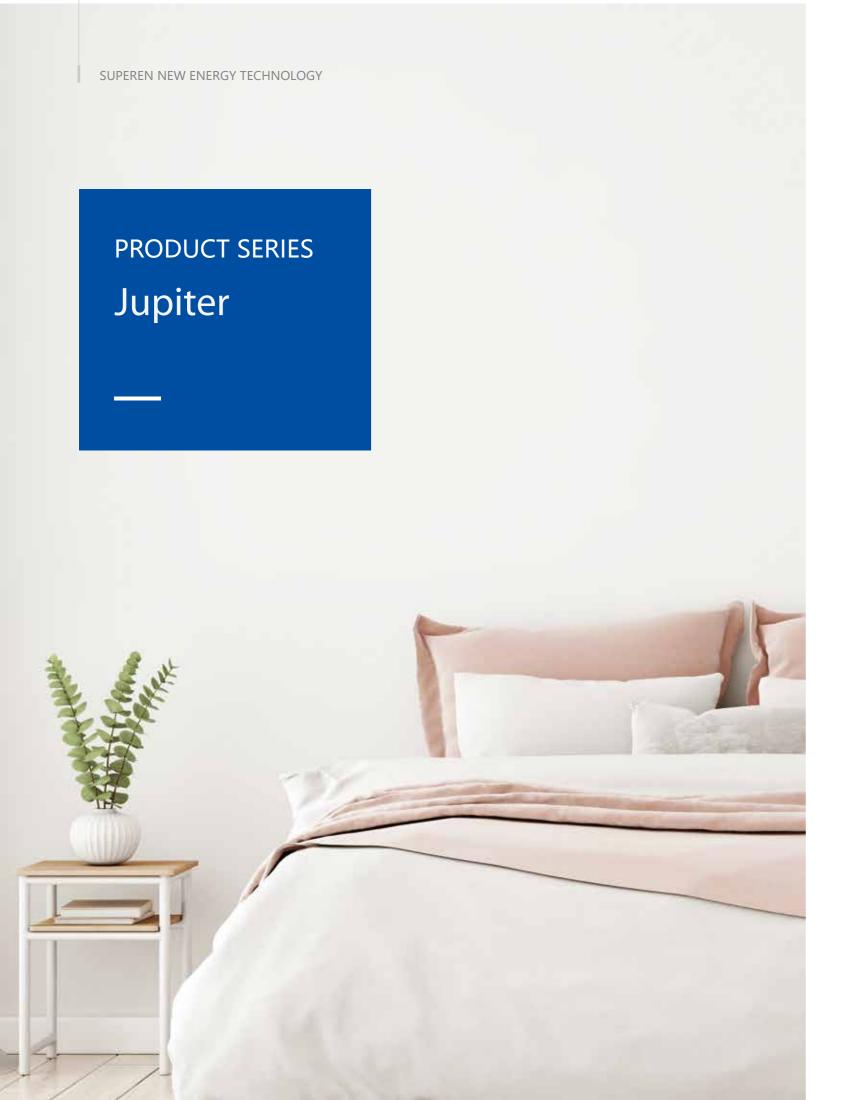


























Capacity Cooling Heating 12,000Btu/ 1.5P/ 1.0Ton 18,000Btu/ 2.0P/ 1.5Ton 24,000Btu/ 3.0P/ 2.0Tor Electric Data Power Input Cooling W 1000 1520 2450 Power Input Heating W 920 1480 2360 Rated Current Cooling A 4.6 7.1 11.4 Heating A 4.2 6.72 10.8 Power Supply Ph,V,Hz 1Ph, 220V/50Hz 1Ph, 220V/50Hz 1Ph, 220V/50Hz Performance EER Cooling W/W 3.5 3.36 2.93 EER Cooling W/W 3.8 3.45 3.05 COP Heating W/W 3.2 3.2 2.92 Airflow Indoor unit M³/H 700 800 1100 Noise Indoor unit dB(A) 24-37-41 30-42-45 38-44-46 Dimonsion & Weight Indoor unit MM 890*322*215 890*322*215 1078*325*257 <	Model			HYBRID-ACDC12	HYBRID-ACDC18	HYBRID-ACDC24
Heating 12,000Btu / 1.5P / 1.0Ton 18,000Btu / 2.0P / 1.5Ton 24,000Btu / 3.0P / 2.0Tor	<i>-</i>	Cooling				
Power Input	Capacity —					
Heating W 920 1480 2360	Electric Data			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Heating W 920 1480 2360	D 1 .	Cooling	W	1000	1520	2450
Heating A 4.2 6.72 10.8	Power Input —	Heating	W	920	1480	2360
Heating A 4.2 6.72 10.8	D : 16 :	Cooling	Α	4.6	7.1	11.4
Performance EER	Rated Current —	Heating	Α	4.2	6.72	10.8
Performance EER	Dower Cupply		Ph,V,Hz	1Ph, 220V/50Hz	1Ph, 220V/50Hz	1Ph, 220V/50Hz
Cooling W/W 3.5 3.36 2.93	Power Supply	_	V	DC100-380V	DC100-380V	DC100-380V
Heating W/W 3.8 3.45 3.05	Performance					
Heating W/W 3.8 3.45 3.05	rep.	Cooling	W/W	3.5	3.36	2.93
Heating W/W 3.2 3.2 2.92	EEK —	Heating	W/W	3.8	3.45	3.05
Heating W/W 3.2 3.2 2.92 Airflow Indoor unit M³/H 700 800 1100 Noise Indoor unit dB(A) 24-37-41 30-42-45 38-44-46 Outdoor unit dB(A) 52 54 56 Dimonsion & Weight Indoor unit MM 890*322*215 890*322*215 1078*325*257 (Wx H x D) Outdoor unit MM 797*556*336 874*559*353 989*715*400 Body Dimension MM 965*395*286 960*333*275 1169*405*366 (Wx H x D) Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 16/20 Outdoor unit KG 25/28 31/34 44/49 Loading Quantity 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling M2	COR	Cooling	W/W	6.43	5.4	5.8
Noise Indoor unit dB(A) 24-37-41 30-42-45 38-44-46 Outdoor unit dB(A) 52 54 56 Dimonsion & Weight Dimonsion & Weight Dimonsion & Weight Indoor unit MM 890*322*215 890*322*215 1078*325*257 (Wx H x D) Outdoor unit MM 797*556*336 874*559*353 989*715*400 Body Dimension MM 965*395*286 960*333*275 1169*405*366 (Wx H x D) Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 11/13 16/20 Outdoor unit KG 25/28 31/34 44/49 Loading Quantity (Mill Advisor only) 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area	COP	Heating	W/W	3.2	3.2	2.92
Noise Outdoor unit dB(A) 52 54 56 Dimonsion & Weight Dimonsion & Weight Indoor unit MM 890*322*215 890*322*215 1078*325*257 (Wx H x D) Outdoor unit MM 797*556*336 874*559*353 989*715*400 Body Dimension MM 965*395*286 960*333*275 1169*405*366 (Wx H x D) Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 16/20 Outdoor unit KG 25/28 31/34 44/49 Loading Quantity (May 10 PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area	Airflow	Indoor unit	M³/H	700	800	1100
Outdoor unit dB(A) 52 54 56	Noice	Indoor unit	dB(A)	24-37-41	30-42-45	38-44-46
Dimonsion & Weight Indoor unit MM 890*322*215 890*322*215 1078*325*257 (Wx H x D) Outdoor unit MM 797*556*336 874*559*353 989*715*400 Body Dimension MM 965*395*286 960*333*275 1169*405*366 (Wx H x D) Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 16/20 Outdoor unit KG 25/28 31/34 44/49 Loading Quantity A0'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area	ivoise —	Outdoor unit	dB(A)	52	54	56
(Wx H x D) Outdoor unit outling MM 797*556*336 874*559*353 989*715*400 Body Dimension (Wx H x D) MM 965*395*286 960*333*275 1169*405*366 (Wx H x D) Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 11/13 16/20 Loading Quantity (units only) 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling 16-22 15-30 35-45	Dimonsion & Weight					
Body Dimension MM 965*395*286 960*333*275 1169*405*366 Wx H x D Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 11/13 16/20 Outdoor unit KG 25/28 31/34 44/49 Loading Quantity 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling M2	Dimonsion & Weight	Indoor unit	MM	890*322*215	890*322*215	1078*325*257
(Wx H x D) Outdoor unit MM 855*600*367 913*604*383 1039*780*468 Net Weight Indoor unit KG 11/13 11/13 11/13 16/20 Loading Quantity (units only) 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling 16-22 15-30 35-45	(Wx H x D)	Outdoor unit	MM	797*556*336	874*559*353	989*715*400
Net Weight Indoor unit KG 11/13 11/13 16/20 Loading Quantity (units only) 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling 16-22 15-30 35-45	Body Dimension		MM	965*395*286	960*333*275	1169*405*366
Outdoor unit KG 25/28 31/34 44/49	(Wx H x D)	Outdoor unit	MM	855*600*367	913*604*383	1039*780*468
Outdoor unit KG 25/28 31/34 44/49 Loading Quantity (units only) 40'HQ PCS 230 230 123 Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling 16-22 15-30 35-45	Net Weight	Indoor unit	KG	11/13	11/13	16/20
Swing(U&D, L&R) / U&D U&D U&D Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling 16-22 15-30 35-45		Outdoor unit	KG	25/28	31/34	44/49
Swing(U&D, L&R) / U&D U&D U&D Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling 16-22 15-30 35-45						
Swing(U&D, L&R) / U&D U&D U&D, L&R Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling M2 16-22 15-30 35-45	Loading Quantity	40'HQ	PCS	230	230	123
Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling M2 16-22 15-30 35-45	(units Only)					
Liquid Quantity (R32) KG 0.62 0.85 1.03 Application Area Cooling M2 16-22 15-30 35-45	Swing(U&D. L&R)		/	U&D	U&D	U&D. L&R
Cooling 16-22 15-30 35-45 Application Area M ²					0.85	
Application Area M2 ———————————————————————————————————						
	Application Area	Heating	M ²			













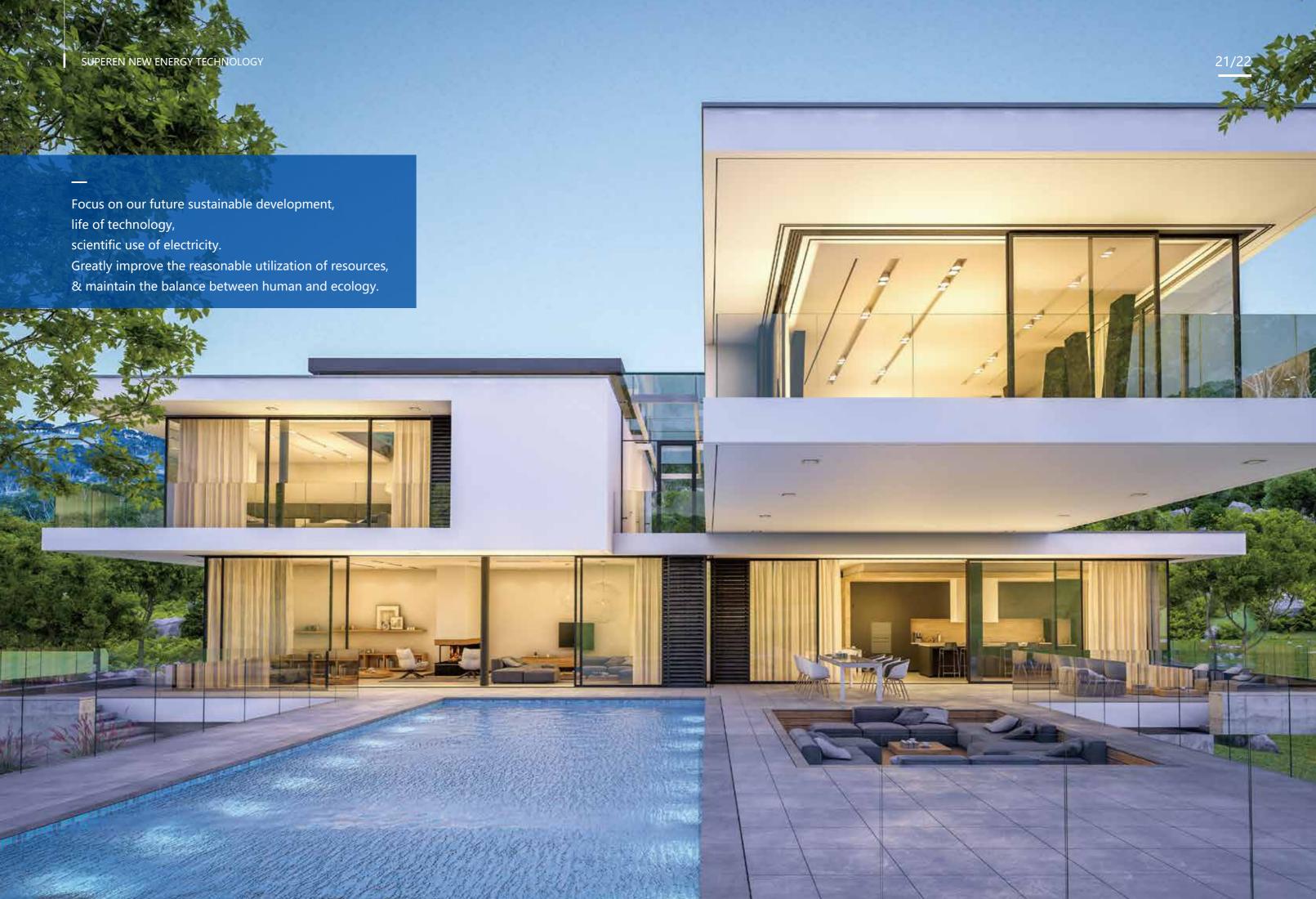










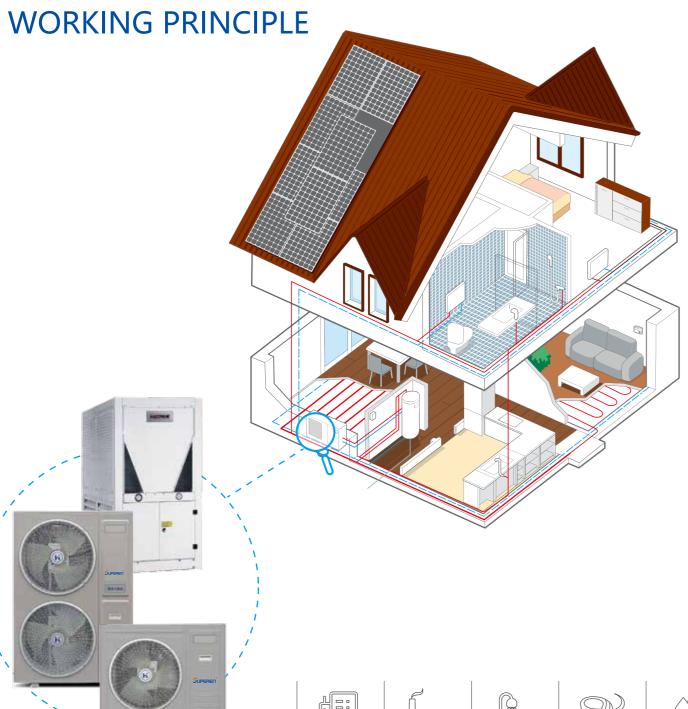


Industrial

Hot Water

光伏热泵系统原理

PHOTOVOLTAIC WATER HEAT PUMP WORKING PRINCIPLE



Club

Hot Water

Transformation

• Low temperature enthalpy increasing technique ensures the unit working properly under outdoor-25°C, no need of electric auxiliary heat.



• Low temperature enthalpy increasing technique ensures 60°C hot water under outdoor temp.-25°C.

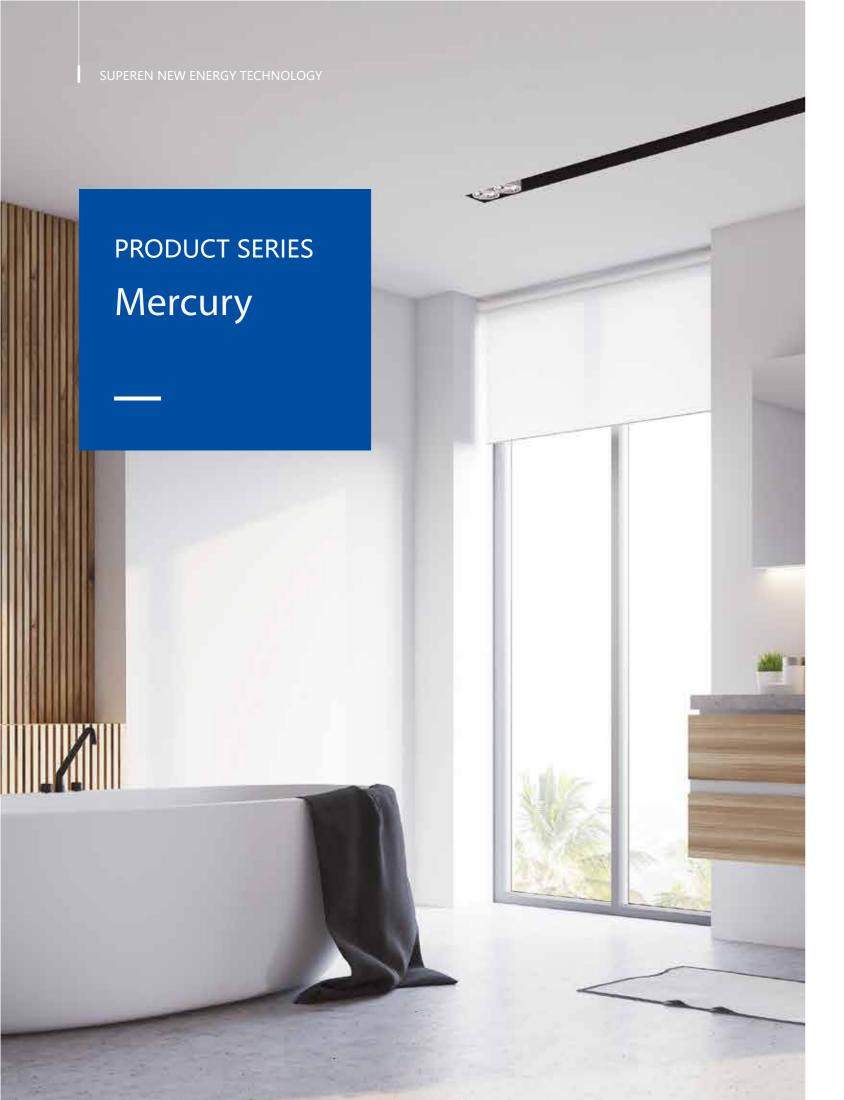


• High efficiency compressor and pro-environment refrigerant COP 5.33



• Efficient heating, 75%+ power saving than traditional electric water heater

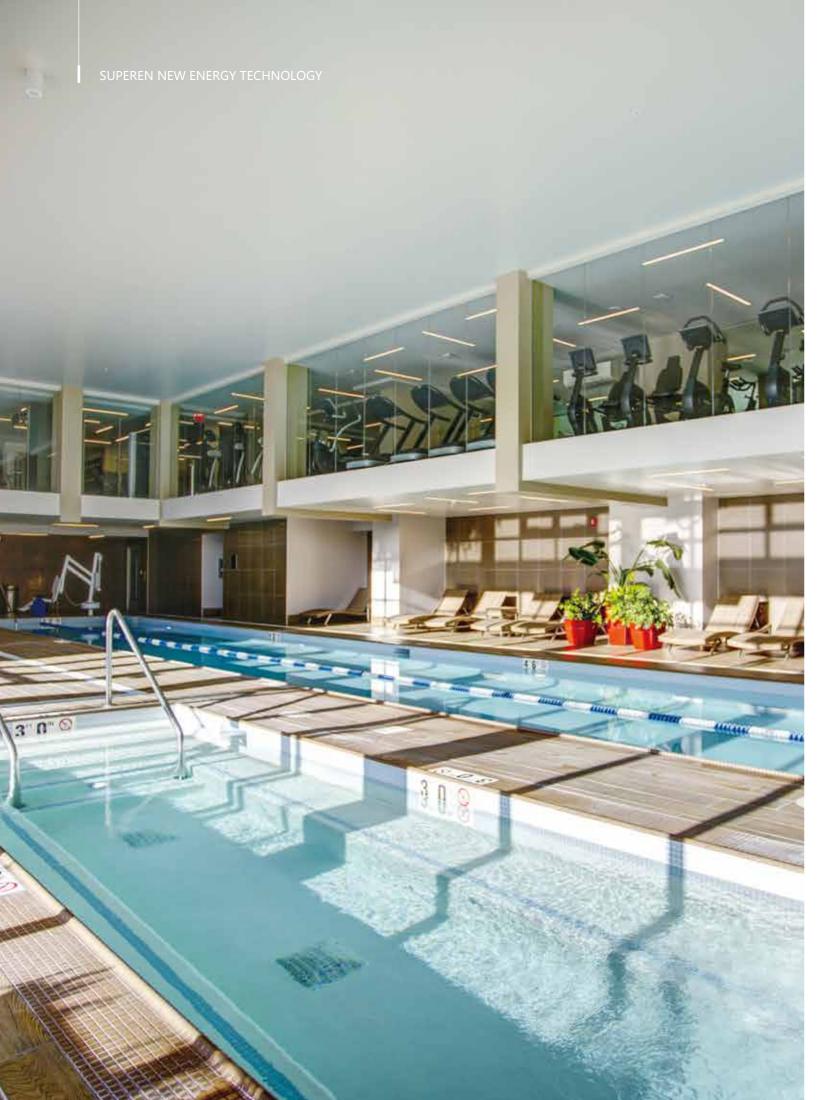








Model		SMC-10/HT-HS	SMC-16/HT-HS
AC Input	Rated Voltage Range	208 ~ 240Vac	208 ~ 240Vac
Ac input	Frequency	50/60HZ 1PH	50/60HZ 1PH
	Voltage Input Range	90 ~ 340Vdc	90 ~ 340Vdc
DC Input	Maximum Input Current (A)	20	20
	Maximum Power (W)	5200	5200
	Rated Cooling Capacity (W)	7500	12500
	Rated Cooling Capacity (Btu)	25600	42800
Rated Cooling	Rated Cooling Power (W)	2650	4385
	Rated Cooling EER (W/W)	2.83	2.85
	Rated Cooling EER (Btu/W)	9.66	9.76
	Rated Heating Capacity (W) Working Condition: 7°C	10500	16900
	Rated Heating Capacity (Btu) Working Condition: 7		58800
Rated Heating	Rated Heating Power (W) Working Condition: 7°C	3020	4850
3	Rated Heating Cop (W/W) Working Condition: 7°C	3.48	3.5
	Rated Heating Cop (Btu/W) Working Condition: 7°C		12.1
	Heating Capacity (W) Working Condition: -12°C	7000	11000
	Heating Power (W) Working Condition: -12°C	2980	4680
	Heating COP (W) Working Condition: -12°C	2.35	2.35
	Heating Capacity (W) Working Condition: 0°C	9300	14600
	Heating Power (W) Working Condition: 0°C	3050	4795
ow Temperature	Heating COP (W) Working Condition: 0°C	3.05	3.05
Heating Capacity	Heating Capacity (W) Working Condition: -20°C	5530	9000
	Heating Power (W) Working Condition: -20°C	2750	4455
	Heating COP (W) Working Condition: -20°C	2.01	2.02
	Heating Capacity (W) Working Condition: -30°C	4300	6900
	Heating Power (W) Working Condition: -30°C	2670	4200
	Heating COP (W) Working Condition: -30°C	1.61	1.64
	Type		verter Compressor
Compressor	Quantity	1	1
	Туре	DC	C Fan Motor
Fan Motor	Quantity	1	2
	Fan Motor Power (W)	85	85
	Air Outler Aluminum Foil Fin Heat Exchanger		
Outdoor Unit	Type of Condenser		Side
Outdoor Offic	Throttling Gear		EXV
Waterway output	Water Side Heat Exchanger	nt Water Tank	
	Pressure Loss (Kpa)	<50	<50
	Water Flow Rate(m³/H)	1.63	2.32
side	Water Connection	DN25	DN32
	Dimension (W*D*H) mm	960*370*810	940*370*1360
	Noise dB(A)	61	62
	Net Weight (kg)	80	140
	Trace Transpire (kg)		







Mode1		SMC-20/HT-HS	SMC-22/HT-HS	SMC-23/3HT-HS	SMC-25/3HT-HS	
	Rated Voltage Range	208~240Vac	208~240Vac	342~418Vac	342~418Vac	
AC Input	Frequency	50/60HZ 1PH	50/60HZ 1PH	50/60HZ 3PH	50/60HZ 3PH	
	Voltage Input Range	90~340Vdc	90~340Vdc	250~540Vdc	250~540Vdc	
DC Input	Maximum Input Current (A)	20	20	20	20	
	Maximum Power (W)	5200	5200	6500	6500	
	Rated Cooling Capacity (W)	14000	15000	16000	17000	
	Rated Cooling Capacity (Btu)	47900	51000	54800	58000	
Rated Cooling	Rated Cooling Power (W)	4736	5260	5600	5950	
Ü	Rated Cooling EER (W/W)	2.85	2.85	2.86	2.86	
	Rated Cooling EER (Btu/W)	10.11	9. 7	9.78	9. 75	
	Rated Heating Capacity (W) WC: 7℃	19000	22000	23000	24500	
	Rated Heating Capacity (Btu) WC: 7°C	65000	75000	79000	84000	
Rated Heating	Rated Heating Power (W) WC: 7℃	5420	6120	6420	6830	
Ü	Rated Heating Cop (W/W) WC: 7℃	3. 51	3. 59	3. 58	3. 59	
	Rated Heating Cop (Btu/W) WC: 7°C	12	12. 2	12. 3	12. 3	
	Heating Capacity (W) WC: -12℃	12500	14000	15000	16000	
	Heating Power (₩) WC: -12°C	5250	6090	6350	6750	
	Heating COP (W) WC: -12℃	2. 36	2.38	2.36	2. 37	
	Heating Capacity (W) WC: 0℃	16400	18500	19500	20900	
	Heating Power (₩) WC: 0°C	5360	6120	6380	6790	
Low Temperature	Heating COP (W) WC: 0℃	3.06	3.02	3.06	3. 08	
Heating Capacity	Heating Capacity (W) WC: -20℃	10150	11200	12500	13500	
	Heating Power (W) WC: -20℃	4950	5465	6188	6650	
	Heating COP (W) WC: -20℃	2.05	2.05	2. 02	2.03	
	Heating Capacity (W) WC: -30℃	7950	9200	9800	10600	
	Heating Power (W) WC: -30℃	4820	5640	5940	6420	
	Heating COP (W) WC: -30℃	1.65	1.63	1.65	1.65	
	Туре		EVI DC Inv	erter Compressor		
Compressor	Quantity	1	1	1	1	
	Type		DC	Fan Motor		
Fan Motor	Quantity	2	2	2	2	
	Fan Motor Power (W)	85	85	85	85	
	Air Outler		Aluminum Fo	il Fin Heat Exchang	ger	
Outdoor Unit	Type of Condenser	Side				
	Throttling Gear	ling Gear EXV				
	Water Side Heat Exchanger		Efficier	nt Water Tank		
Waterway output	Pressure Loss (Kpa)	<50	<50	<50	<50	
waterway output side	Water Flow Rate(m³/H)	2. 49	3. 01	3.01	3. 01	
	Water Connection	DN32	DN32	DN32	DN32	
	Dimension (W*D*H) mm	940*370*1360	940*370*1360	1060*380*1560	1060*380*1560	
	Noise dB(A)	63	64	65	66	
	Net Weight (kg)	145	145	165	175	





Model		SMC-66/3HT-HS
A.C. Immust	Rated Voltage Range	342 ~ 418Vac
AC Input	Frequency	50/60HZ 3PH
DC Input	Voltage Input Range	250 ~ 540Vdc
	Maximum Input Current (A)	20
	Maximum Power (W)	10000
	Rated Cooling Capacity (W)	52000
	Rated Cooling Capacity (Btu)	177370
Rated Cooling	Rated Cooling Power (W)	18600
3	Rated Cooling EER (W/W)	2.8
	Rated Cooling EER (Btu/W)	9.55
	Rated Heating Capacity (W) Working Condition: 7°C	75000
	Rated Heating Capacity (Btu) Working Condition: 7°C	255825
Rated Heating	Rated Heating Power (W) Working Condition: 7°C	22850
, , , , , , , , , , , , , , , , , , ,	Rated Heating Cop (W/W) Working Condition: 7°C	3.28
	Rated Heating Cop (Btu/W) Working Condition: 7°C	11.18
	Heating Capacity (W) Working Condition: -12°C	53500
	Heating Power (W) Working Condition: -12°C	22670
	Heating COP (W) Working Condition: -12°C	2.36
	Heating Capacity (W) Working Condition: 0°C	68000
	Heating Power (W) Working Condition: 0°C	2200
ow Temperature	Heating COP (W) Working Condition: 0°C	3.09
Heating Capacity	Heating Capacity (W) Working Condition: -20°C	45140
	Heating Power (W) Working Condition: -20°C	22230
	Heating COP (W) Working Condition: -20°C	2.03
	Heating Capacity (W) Working Condition: -30°C	35440
	Heating Power (W) Working Condition: -30°C	21612
	Heating COP (W) Working Condition: -30°C	1.64
	Type	EVI DC Inverter Compressor
Compressor	Quantity	2
	Туре	DC Fan Motor
Fan Motor	Quantity	2
Tall Wotol	Fan Motor Power (W)	
	Air Outler	Aluminum Foil Fin Heat Exchanger
Outdoor Unit	Type of Condenser	Side
Outdoor Unit	Throttling Gear	EXV
Waterway output side	Water Side Heat Exchanger	Efficient Water Tank
	Pressure Loss (Kpa)	<55
	Water Flow Rate(m³/H)	<u> </u>
	Water Connection	2* 65
	Dimension (W*D*H) mm	1990**990*1900
	Noise dB (A)	<70
	ואטוטנ מט (ת)	\10

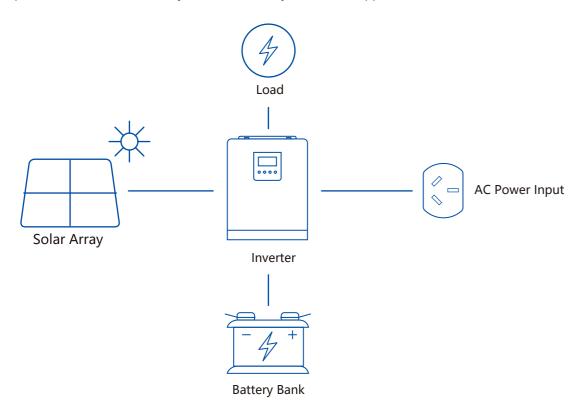


系统方案比较

SYSTEM SCHEME COMPARISON

Traditional Sola Energy Storage System Solution

The solar power is stored in the battery and then used by the electric appliance.



Traditional Solar Energy Storage System

Advantage

Simple system, wide range of application.

Disadvantage

High one-time investment. High maintainance cost. 30~40% power loss.

Short Lifespan due to the high power load

Application

Enough budget & remoted area.

Superen Solar Application System

Advantage

Modularized system, flexible combination, sufficient use of solar power.

Maximized ROI.

Disadvantage

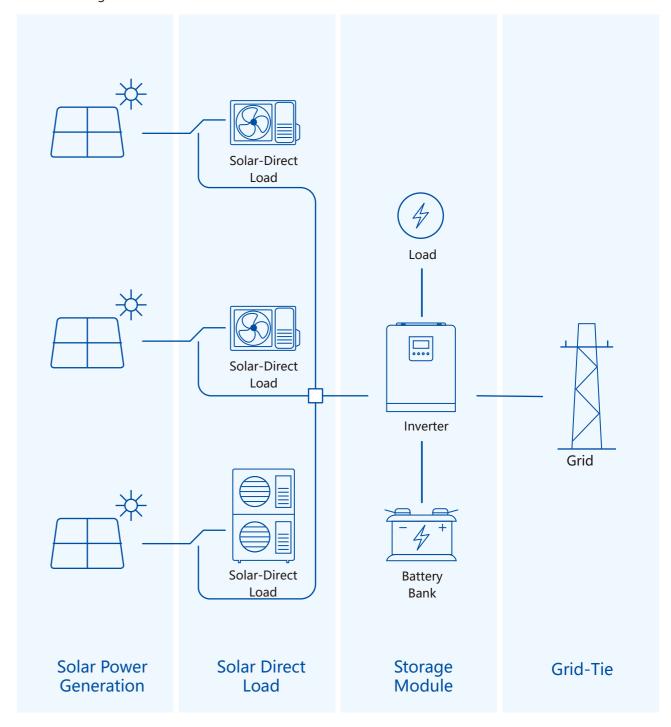
The scale of the project is required for full modularized system.

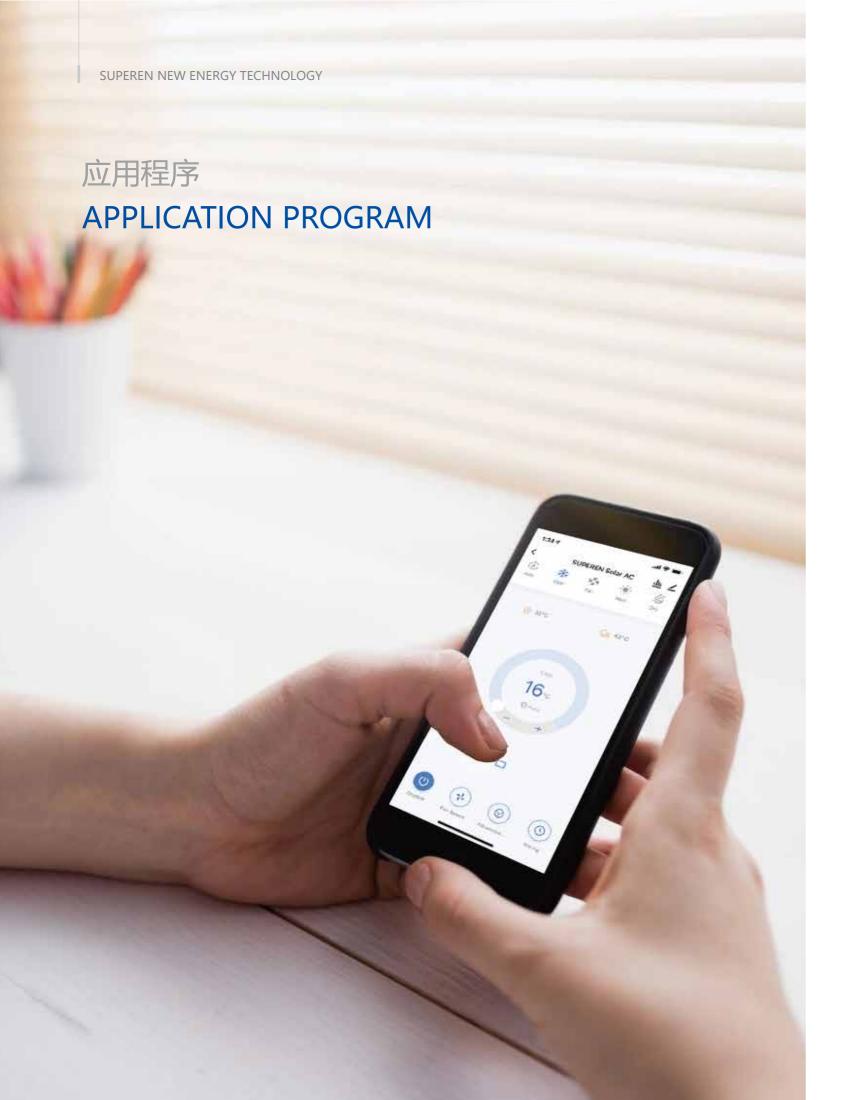
Application

All solar generation applications

Superen solar application system solution

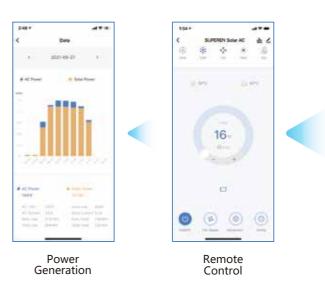
Solar power is used by the DC load directly as priority, the extra power could be stored in the battery or sent to the grid.





APP Remote Control Real Time Power Generation Monitoring.







SoCool-Pro, Real Time Monitoring.

Components Running Status. Solar Generation AC Power Consumption Running Log Fault Analysis





Components Running Status



Running Log



Protect the Planet Blue







Solar Cold Storage Free Day Time Cooling



Solar RV Air Conditioner Green Mobile Life