

Whole-Home Backup Power

Power, Everywhere

Power, Anytime

Choose **SUNGROW**

Choose A One-stop Solution





SH3.0/4.0/5.0/6.0/8.0/10RS Power Everywhere

Whole-home backup power

3-10kW 3-20kW

Single inverter

Parallel operation





New members are joining

Stronger Core Of The System 2.0





Y connector + SBR Battery Max energy (usable)



Charging and discharging current

SBR096-192

Power, Anytime

SH3.0/6.0/10RS supports SBR096~192

9.6-76.8kWh

The SUNGROW battery SBR is expandable to power your appliance even when a long outage period



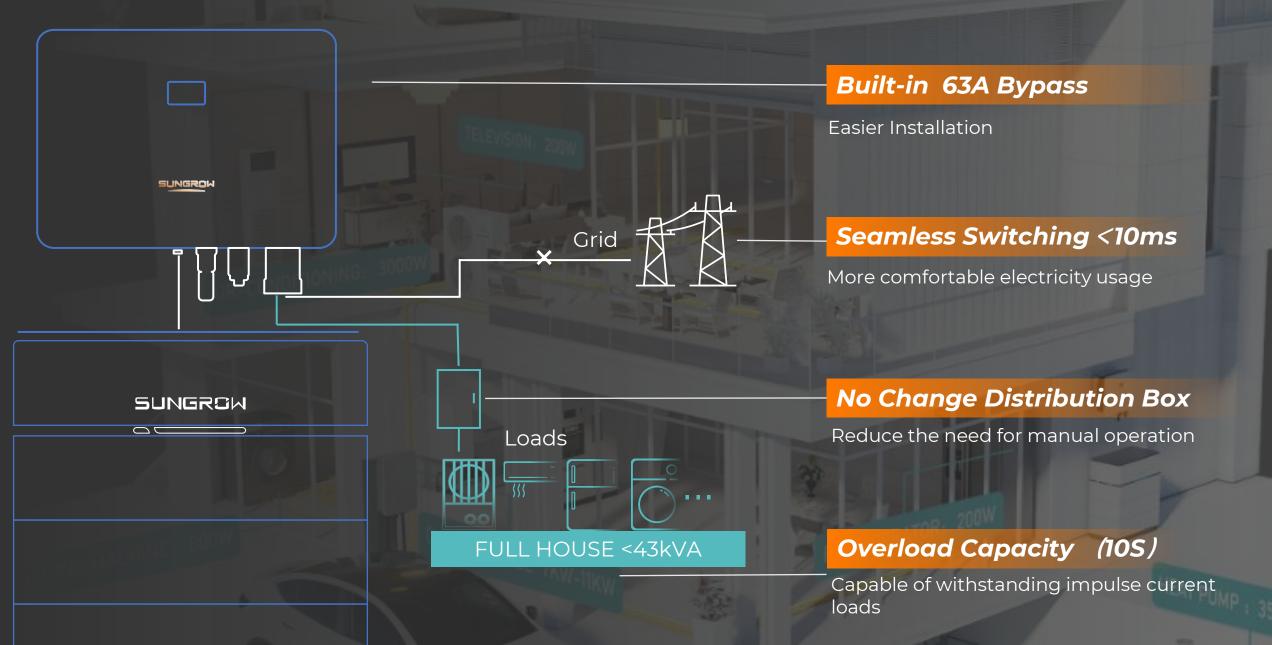


01

Experience power freedom

Seamless switch | Fast charge | Efficient power generation

Full Backup: Full Energy Independence / Lower Electricity Cost







200%

DC/AC Ratio Powering & Charging

16A

MPPT Current 2-4 MPPT, 2-4 DC string

PID

Zero Reduce panel degradation

Optimize Roof Usage With Optimizer

25 Panels

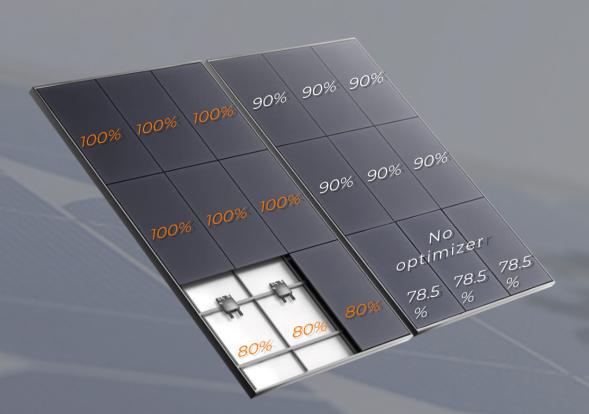
Per string Support different power panel

20%

Space increase Support different angle panel



Optimize Yield Even with Shadow



4-30%Efficiency increase
Even when shadow occur



High Yield: Global MPP scanning

2% System yield increased by

SUNGROW GLOBAL SCANNING

Full-curve scanning allows for precise tracking of the maximum power point (P4), which therefore ensures the optimal power generation performance at all times.

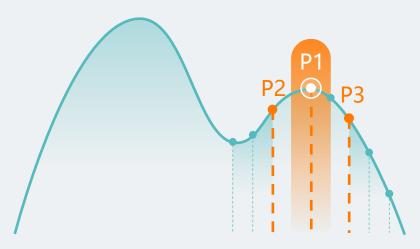


P4 O



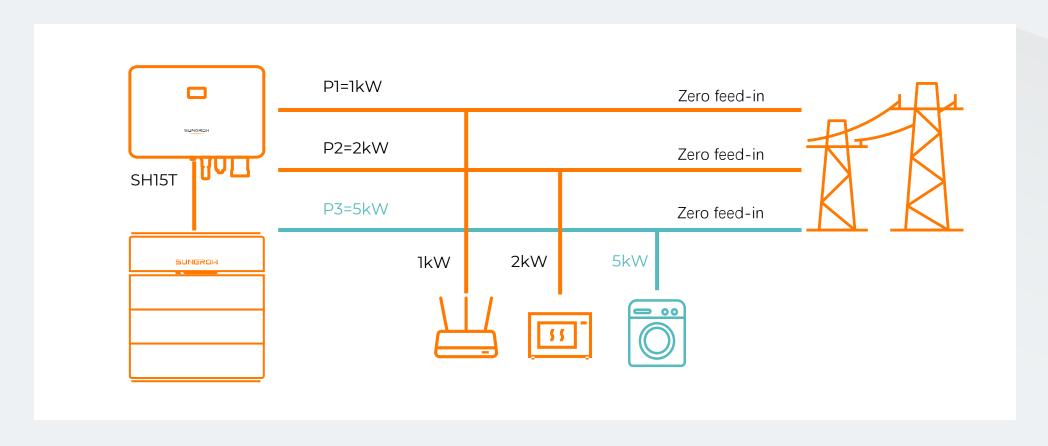
TRADITIONAL SCHEME LOCAL TRACKING

For local tracking adopted by the traditional scheme, local peak power point (P1) may be misidentified as the global peak, thus exerting an impact on system power generation.



Unbalanced AC Output

Phase by phase self-consumption and feed-in limitation Maximizes renewable use and grid independence



02

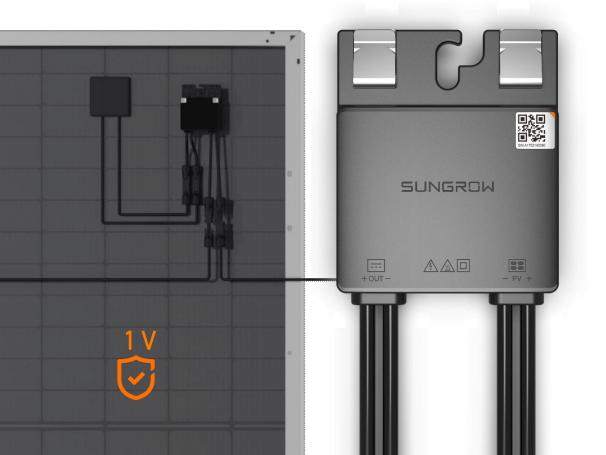
Safety and durability

Fire protection | Lightning protection | TUV & NRT certificate





Dual Fire Protection Optimizer Module level shutdown



Module-level shutdown

Cut-off AC power/External switch/Auto shutdown

20s to 1V

Detect and shutdown when system errors occur

Firefighter friendly

Lower voltage to 1V per module, so firefighters can help



Lightning Protection Built-in Lightning Protection

Built-in Type II DC&AC SPD 20 KA 8&20 u S

Discharge Capacity

Waveform



Durable Quality Handle Outdoor Environments

Water & Dust Resistant

IP55+ protection, Handles the outdoor environment easily.

Corrosion Resistant

C5 anti-corrosion design, handle coastal & farming environments easily.

Easy to Install

SBH Stackable & Modular Design



Plug & Play installation no wiring is required

Switch and wiring terminals are integrated into the module; no additional installation steps are required.



O Accident

N+1 Energy Protection

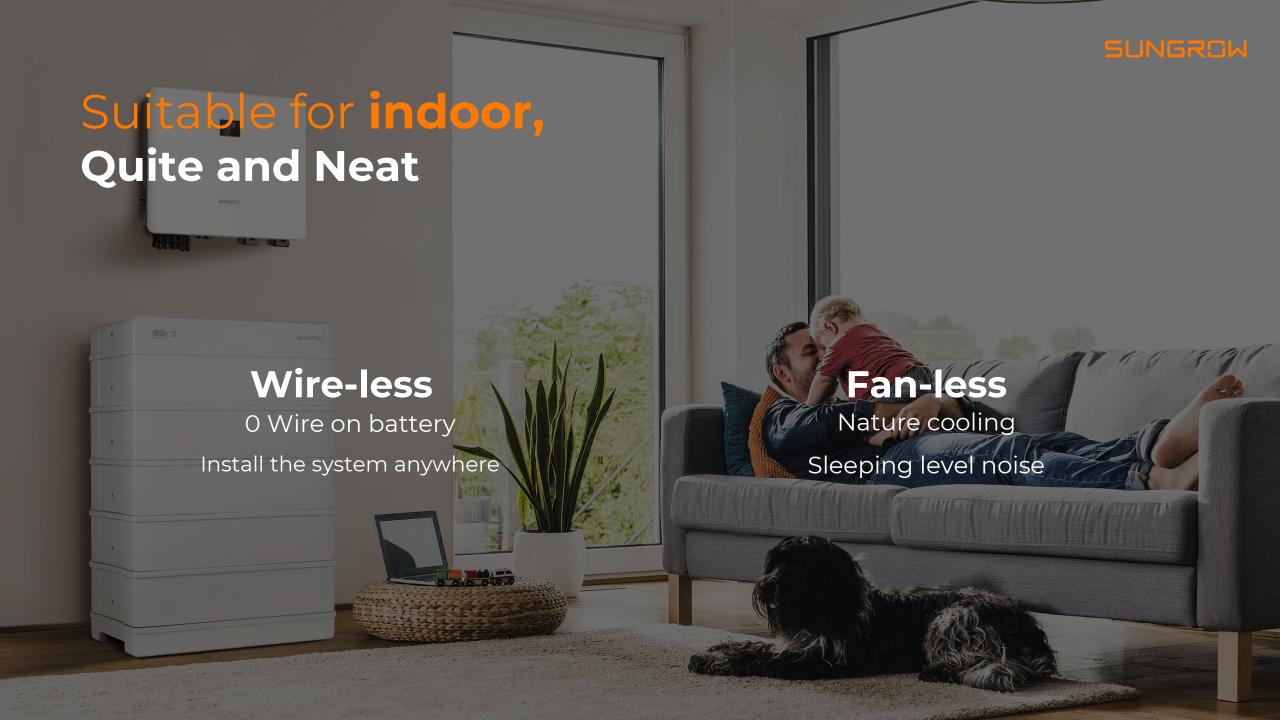
Battery number = BMS number = N



03

Better Experience

Excellent design | Great service | Remote O&M





Online Support Provides in time service

24/7 WhatsApp service

Provides in-time service whenever you need it

48h maintenance

Countrywide coverage for rapid maintenance throughout South Africa

Online Tutorial

Online tutorial video helps maintenance easier. Meet **Sungrow_SA** on YouTube





Easy installation System set up in 30 minutes

Compact Modular Design

Less wire and humanized handle.

Save space, easy to carry, and install.

Saving Installation Cost

Built-in battery circuit breaker, fuse & SPD.

Guarantee safety and increase installation efficiency.

Flexible set-up for easy replacement and expansion

Expand and replace at any time according to family needs



Expanding as needed

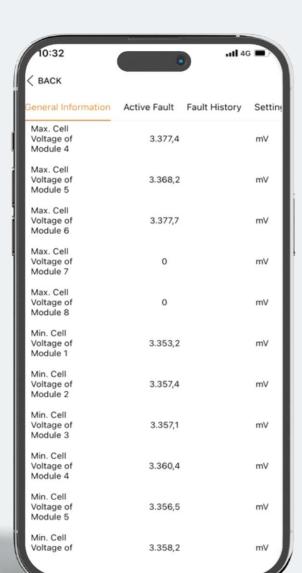
Up to 8 modules per unit

Easy to replace

In the event of one single module getting damaged

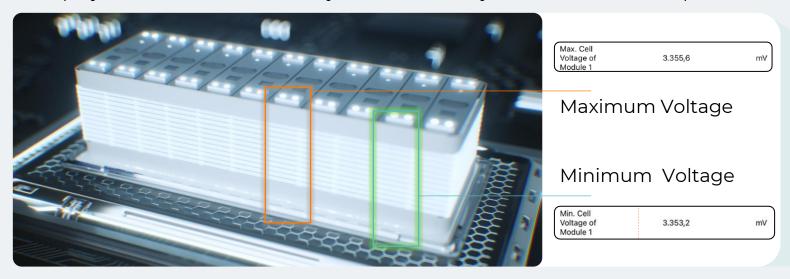
Refined Battery Management

Real Time Monitoring of Battery Operation Status



Single Module Status

- 1. Display the maximum and minimum voltage of each module cell for easy detection of module status
- 2. Display the location of the faulty module for easy maintenance and replacement



Battery System Status

It can display parameters such as current / temperature / state of charge / battery health status / for easy detection of system status









Clean power for all

SHT + SBR

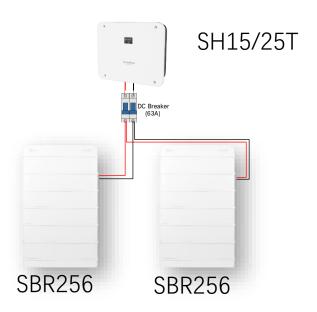


Materials	Quantities
SHT	1
SBR	1

Products	SH15T	SH25T
SBR064	3.84 kw	3.84 kw
SBR096	5.76 kw	5.76 kw
SBR128	7.68 kw	7.68 kw
SBR160	9.6 kw	9.6 kw
SBR192	11.52 kw	11.52 kw
SBR224	13.44 kw	13.44 kw
SBR256	15 kw	15.36 kw

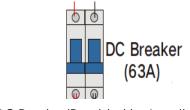
SHT + 2 batteries parallel





Products	SH15T	SH25T
2×SBR064	6.4 kw	6.4 kw
2×SBR096	9.6 kw	9.6 kw
2×SBR128	12.8 kw	12.8 kw
2×SBR160	15 kw	16 kw
2×SBR192	15 kw	19.2 kw
2×SBR224	15 kw	22.4 kw
2×SBR256	15 kw	25 kw

Materials	Quantities
SHT	1
SBR	2
DC Breaker	1 (Provided by Installer)



DC Breaker(Provided by Installer)

SHT + three batteries parallel





Order lis

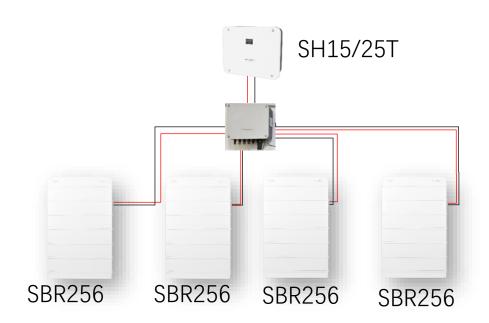
Materials	Quantities
SHT	1
SBR	3
Battery Conjunction Box	1

Products	SH15T	SH25T
3×SBR064	6.4 kw	6.4 kw
3×SBR096	9.6 kw	9.6 kw
3×SBR128	12.8 kw	12.8 kw
3×SBR160	15 kw	16 kw
3×SBR192	15 kw	19.2 kw
3×SBR224	15 kw	22.4 kw
3×SBR256	15 kw	25 kw



Battery Conjunction Box

SHT + four batteries parallel



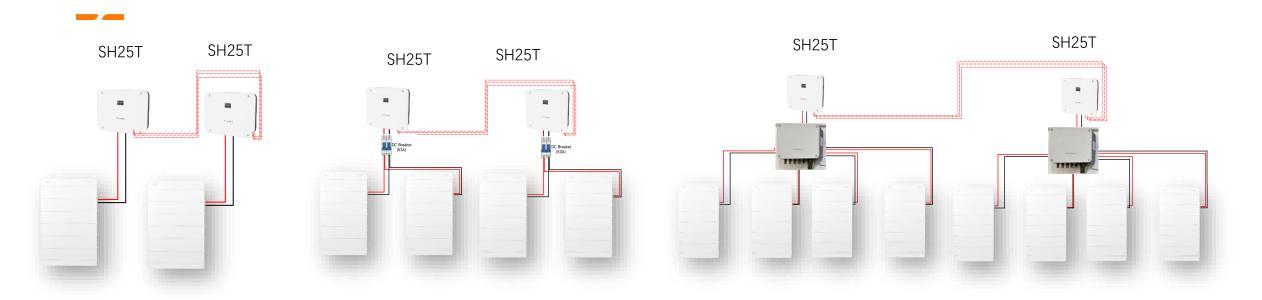
Materials	Quantities
SHT	1
SBR	4
Battery Conjunction Box	1

Products	SH15T	SH25T
4×SBR064	6.4 kw	6.4 kw
4×SBR096	9.6 kw	9.6 kw
4×SBR128	12.8 kw	12.8 kw
4×SBR160	15 kw	16kw
4×SBR192	15 kw	19.2 kw
4×SBR224	15 kw	22.4 kw
4×SBR256	15 kw	25 kw



Battery Conjunction Box

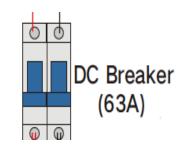
50kw Solution



Materials	Quantities			
SHT	2	2	2	2
SBR256	2	4	6	8
Battery Conjunction Box	0	0	2	2
DC Breaker(Provided by Installer)	0	2	0	0

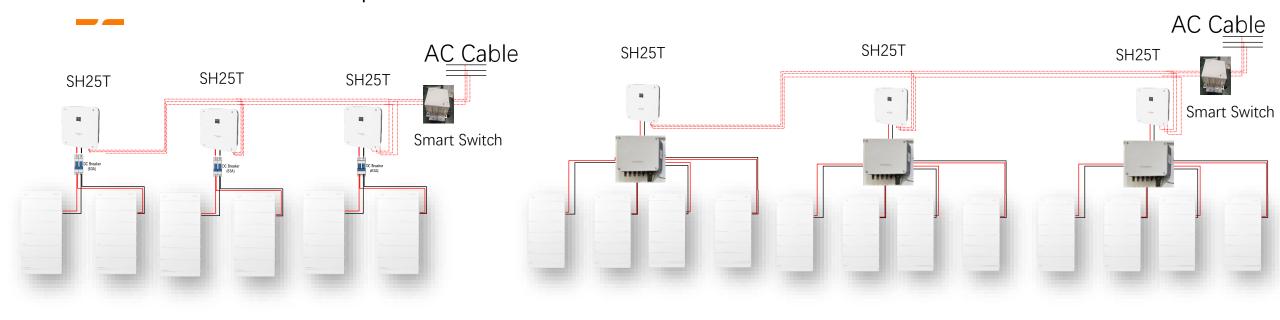


Battery Conjunction Box



DC Breaker(Provided by Installer)

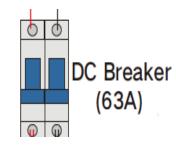
75/100kw inverter parallel



Materials	Quantities							
SHT	3			4				
SBR256	3	6	9	12	4	8	12	16
Battery Conjunction								
Вох	0 0 3 3		0	0	4	4		
DC Breaker(Provided								
by Installer)	0	3	0	0	0	4	0	0
Smart Switch	1							



Battery Conjunction Box



DC Breaker(Provided by Installer)



Smart Switch

SHxxT BACKUP POWER



BACKUP POWER IN OFF-GRID MODE (no PV)

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Products	SH15T	SH25T
SBR064	3.84 kw	3.84 kw
SBR096	5.76 kw	5.76 kw
SBR128	7.68 kw	7.68 kw
SBR160	9.6 kw	9.6 kw
SBR192	11.52 kw	11.52 kw
SBR224	13.44 kw	13.44 kw
SBR256	<mark>15</mark> kw	15.36 kw
Products	SH15T	SH25T
2×SBR064	6.4 kw	6.4 kw
2×SBR096	9.6kw	9.6 kw
2×SBR128	12.8 kw	12.8 kw
2×SBR160	<mark>15kw</mark>	16 kw
2×SBR192	<mark>15</mark> kw	19.2 kw
2×SBR224	<mark>15</mark> kw	22.4 kw
2×SBR256	<mark>15</mark> kw	25 kw
Products	SH15T	SH25T
3 or 4×SBR064	6.4 kw	6.4 kw
3 or 4×SBR096	9.6 kw	9.6 kw
3 or 4×SBR128	12.8 kw	12.8 kw
3 or 4×SBR160	<mark>15</mark> kw	16 kw
3 or 4×SBR192	<mark>15</mark> kw	19.2 kw
3 or 4×SBR224	15 kw	22.4 kw
3 or 4×SBR256	<mark>15</mark> kw	25 kw

SHT order list



	SHT	SBR256	DC Breaker(Provided by Installer)	Battery Conjunction Box	Smart Switch
Single SHT	1	1	0	0	0
		2	1	0	0
		3	0	1	0
		4	0	1	0
SH25T two inverter parallel	2	2	0	0	0
		4	2	0	
		6	0	2	
		8	0	2	
SH25T three/four inverter parallel	3	3	0	0	1
		6	3	0	
		9	0	3	
		12	0	3	
	4	4	0	0	
		8	4	0	
		12	0	4	
		16	0	4	