

SUNGROW



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Load-shedding? No worry.

Sungrow Home Energy Solution

SH3.0/6.0/10RS & SBR064/096/128/160/192

Suitable for apartments, houses, and estates.

24/7 Back Up | Seamless Switch | Dual Fire-Resistant
Flexible Battery Expansion | Extremely Quiet

Get Ready for Load-shedding

Seamless switch and fully charged between intervals



Fast charge

1.6h fast charge from 0% to 100% for a 9.6kWh battery.

High discharge

8.4 kVa high discharge to **power high-consumption** appliances.

Expandable battery

Up to 76.8 kWh, support **1-week family usage** during load shedding.

Grid adaptive

High tolerance design to keep powering, even with an **unstable grid voltage**.

Seamless switch

10ms seamless switch without influencing the operation of the appliance.

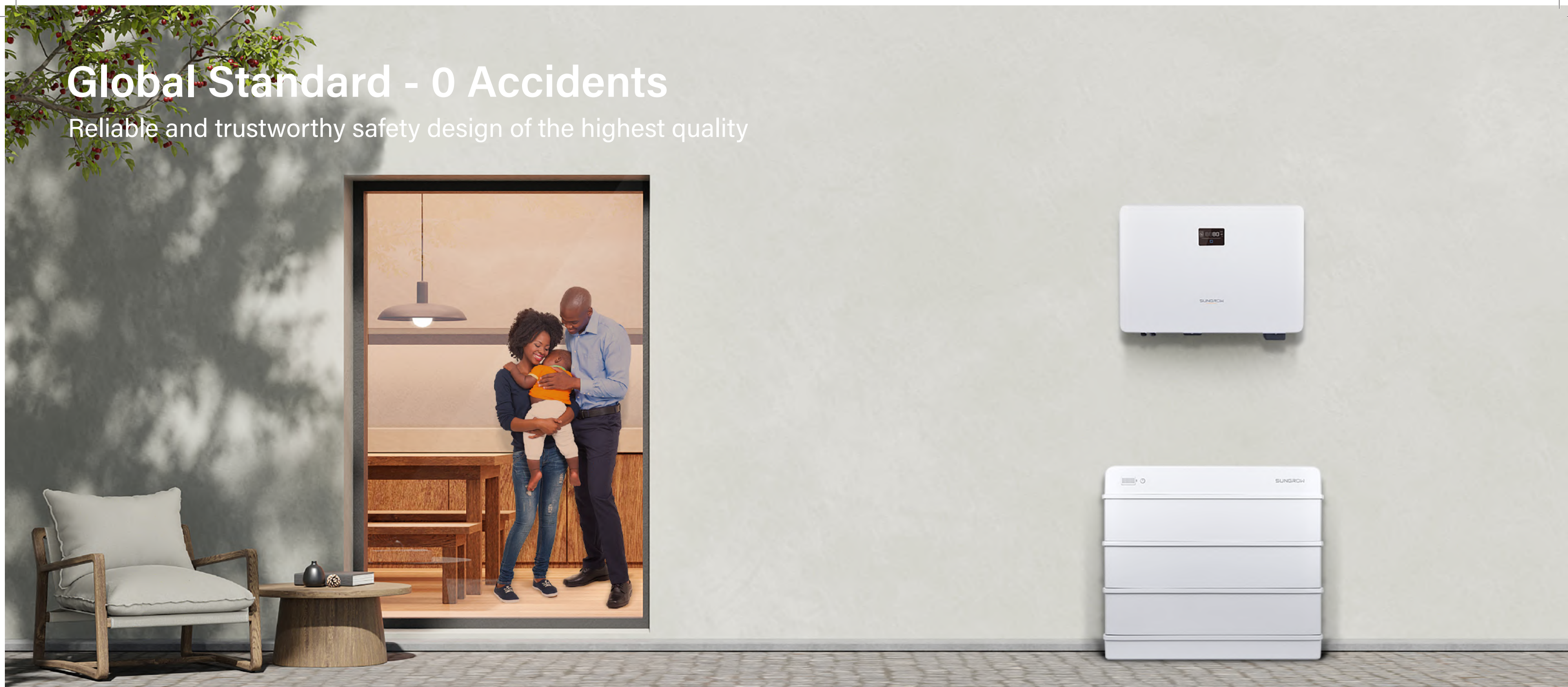
Available for all houses

Multiple system options for different load-shedding stages and different houses sizes.



Global Standard - 0 Accidents

Reliable and trustworthy safety design of the highest quality



0 accidents

Outstanding safety record with a total of **3GWH** BESS shipments.

Dual fire-resistant - Step 2

Optimizer optional. Protects the panel from fire through **module-level shutdown**. Voltage will drop to **1V** within 20s.*

Dual fire-resistant - Step 1

AFCI included. Protects inverter from fire through **20ms immediate shutdown** when a system error occurs.



Lightning resistant

Type II DC & AC SPD. Built to face lightning challenges.

Water & Dust resistant

IP65 protection. Handles outdoors with ease.

Corrosion resistant

C5 anti-corrosion. Effortlessly handles coastal and agricultural environments.

Global standard

Global standard **NRT & TUV** approved quality.

System set up in 30 Minutes

15% component reduction due to an integrated design



Remote O&M

Access data remotely with **auto-fault graphic production**. Easy access with instant data updates.

Auto Error Detection

Automatically detect and analyze **17 types of faults**. Identify errors easily.

Accurate Error Scanning

>95% of fault scanning accuracy. Quicker and more accurate.

Installation free

Built-in battery circuit breaker, fuse & SPD: guaranteed safety and increased installation efficiency.

Stackable design

Modular battery with **less wire** and a **humanized handle**. Saves space, easy to carry and install.

Plug & Play

Increased installation efficiency with **standardized plugs**.



Guaranteed Replacement, No Repairs in 10-Years

Faster, better long-term service.



10-year warranty

10-year comprehensive warranty backed by over 25 years of proven history.

48h maintenance

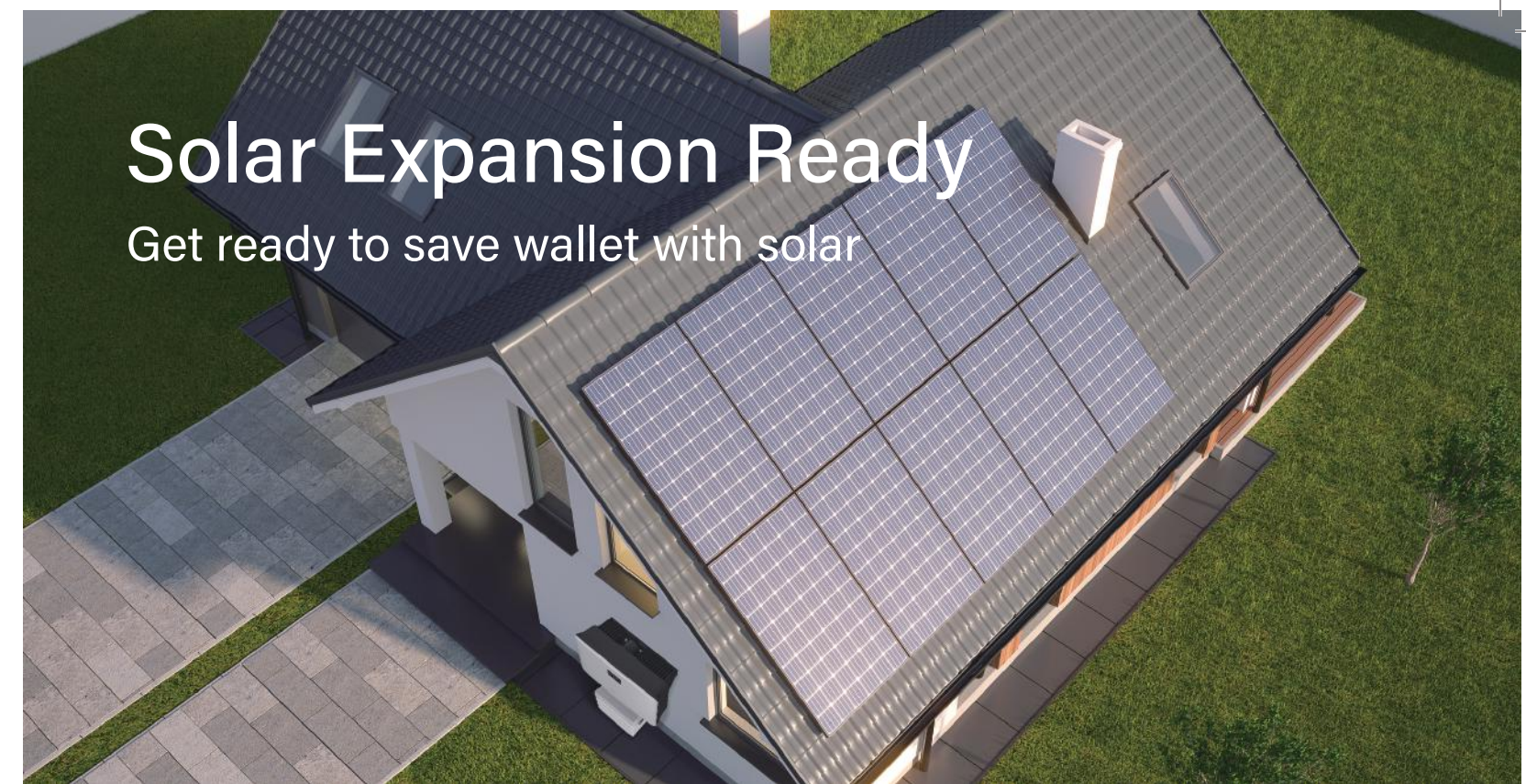
Fast maintenance assistance nationwide.

Online tutorial

Online tutorial video helps make maintenance easier. Visit **Sungrow_SA** on YouTube.

24/7 WhatsApp service

Provides **real-time service** whenever you need it.



Solar Expansion Ready

Get ready to save wallet with solar



Earlier start, later stop

Start generating earlier and stop later with a wider MPPT range from **40-560V**.



Powering and charging

200% PV capacity. Connect more panels to charge batteries and power load at the same time.



Designed for larger roofscapes

2-4 MPPT, **2** DC string with **32-64A** MPPT current. **Connect high-power panels** for various roofs.



Wear & tear recovery

Recovery panel daily loss through **patent PID recovery design**.



Optimize solar efficiency











Supports **30 pcs** panels from **different angles** per string. Increased power generation through the **module-level optimizer**.*

Sungrow Home Energy Solution

World's No.1 PV inverter shipments

Specification

SH3.0/6.0/10RS
SBR064/096/128/160/192

AREA	SOLUTION	APPLIANCES
<70m ² Apartment 3kW + 6.4kWh Cover stage 6	 SH3.0RS  SBR064	Always-On application Lights & Wifi TV / Laptop x 1 Fridge / Freezer x 2 Clothes / Dishwasher x 1
70-120m ² Townhouse 6kW + 9.6kWh Cover stage 6	 SH6.0RS  SBR096	Instant application (2 at a time) Coffee / Bread machine / Microwave / Kettle
120-250m ² Complex house 10kW + 19.2kWh Cover stage 6-8	 SH10RS  SBR192	Always-On application Lights & Wifi TV & Laptop x 2 Fridge / Freezer x 3 Geyser/ Stove / Oven x 1 Aircon x 1 Clothes / Dishwasher x 2
250-500m ² House 20kW + 38.4kWh Cover stage 6-8	 SH10RS*2  SBR192*2	Instant application (2 at a time) Coffee / Bread machine / Microwave / Kettle
500m ² + House ⁺ 20kW + 51.2kWh Cover stage 6-8	 SH10RS*2  SBR128*4	Always-On application Lights & Wifi TV & Laptop x 3 Fridge / Freezer x 3 Geyser / Stove / Oven x 2 Aircon x 3 Clothes / Dishwasher x 2 Pool pump x 1 Heated carpet x 1



Inverter				Battery					
Model	SH3.0RS	SH6.0RS	SH10RS	Model	SBR064	SBR096	SBR128	SBR160	SBR192
Max. PV input voltage	600V			Battery type	LFP				
Working range	40-560V			Working voltage	108V-438V				
No. of independent MPPT inputs	2	2	4	Max. charge/ discharge current	30A / 30A				
IMP	32A (16A*2)	32A (16A*2)	64A (16A*4)	Max. charge/ discharge power	4380W	6570W	8760W	10950W	13140W
ISC	40A (20A*2)	40A (20A*2)	80A (20A*4)	Rated output power of backup	3840W	5760W	7680W	9600W	11520W
Backup (on-grid/off-grid)	6000W/3000W	6000W/6000W	14500W/10000W	Peak power of backup	8400 VA, 10s				