



SOLAR PV SOLUTIONS - THAT PAY OFF -

ALWAYS ON. ALWAYS READY.

5 - 16 kW Solar Back-Up
for Homes & Small Businesses

24/7 Power Security

Cost Saving

Long-Lasting



TAKE CONTROL OF YOUR POWER

Equator Solar's Home & Business Solutions are built to reliably power homes and small businesses with ease. Our solar systems are complete, pre-configured energy packages, delivered with all essential components included. From design and installation to ongoing maintenance, our skilled team takes care of everything.

You simply enjoy reliable power 24/7.

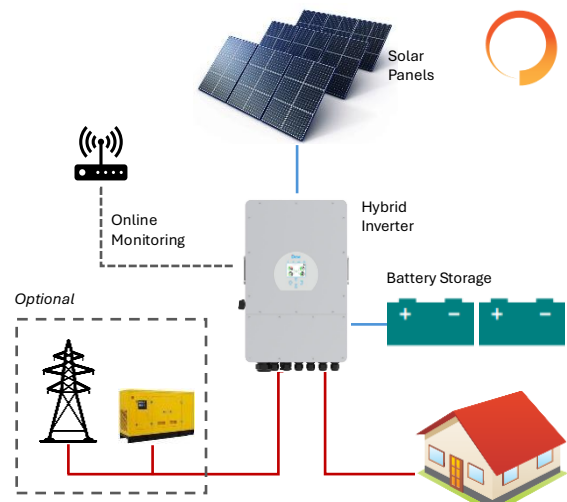
FLEXIBLY UPGRADE YOUR SYSTEM

As your energy needs grow, you can expand the system with more solar panels or batteries. With optional grid and generator integration or smart load prioritization, you stay in full control of what gets powered.

QUALITY ASSURED

We are deeply committed to quality, offering only premium products from trusted, industry-leading manufacturers. All our solutions come with robust warranty coverage and are backed by long-term support you can count on.

Solar Panels	30 years Performance warranty
Inverters	5 years Product warranty
Batteries	5 years Manufacturer warranty
Installation & Workmanship	2 years Defect liability



YOUR SOLAR POWER SOLUTION

During the day, solar panels either power your appliances directly or charge the battery for use at night. The hybrid inverter ensures a smooth, interruption-free power supply — day and night. The system can be configured as a fully autonomous off-grid solution or as a solar back-up integrated with grid and generator. Real-time performance monitoring is available via the intuitive mobile app.



Jinko Solar Tier 1 Panels



Deye Hybrid Inverter



BYD Lithium Batteries



Cables, Plugs, Consumables



Installation and Interconnection



Smart Control with Online App



Warranty & Lifetime Support



Kampala, Ntinda

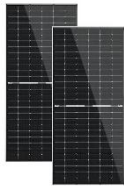
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Technical Data		SH-5	SH-10	SH-12	SH-16
Hybrid Inverter	Deye	SUN-5K	SUN-10K	SUN-12K	SUN-16K
	Rated AC Active Power	5,000 W	10,000 W	12,000 W	16,000 W
	Max. AC Apparent Power	5,500 VA	11,000 VA	13,200 VA	17,600 VA
	No. of MPPT	2	2	3	3
	Grid Connection Form	1-Phase (L+N+PE)			
	Max. Efficiency	97.6%			
	Warranty	5 Years			
Solar PV Panels	Jinko Solar	Tiger Neo N-Type			
	Module Type	JKM590N-72HL4			
	Cell Type	N Type Mono-Crystalline			
	Max. Power STC	590 Wp			
	Module Efficiency STC	22.84%			
	Warranty	12 year product warranty, 30 year power warranty			
	Dimensions	2,278 x 1,134 x 35 mm			
	Weight	27 kg			
Solar PV Array					
	Standard Solar Array Size	5.3 kWp 9x panels	7 kWp 12x panels	10 kWp 17x panels	13 kWp 22x panels
	Maximum Solar Array Size	7 kWp 12x panels	14.8 kWp 25x panels	17.7 kWp 30x panels	23.6 kWp 40x panels
	Solar Cable	6 mm ² , UV resistant, double insulated			
	Mounting Type	aluminium rail rooftop / concrete slab / ground			
Battery Pack	BYD	BATTERYBOX LV5.0			
	Cell Type	LFP			
	Usable Energy	5 kWh			
	Max. Charge and Discharge	70 A / 3.5 kW / 0.7 C			
	Round Trip Efficiency	≥ 95%			
	Warranty	5 years			
	Dimensions	195 x 595 x 255 mm			
	Weight	42 kg			
Battery Bank					
	Standard Battery Bank Size	10 kWh 2x pack	15 kWh 3x pack	20 kWh 4x pack	25 kWh 5x pack
	Max. Battery Bank Size	160 kWh, 16x Battery pack			
	BMS	integrated			
	Communication	CAN / RS485 / Bluetooth / Wi-Fi			
System Control	Deye	Stick Logger			
	Online Monitoring	Real-time with remote access			
	Monitoring Platform	Deye Cloud / SOLARMAN			
	Mobile App	Deye Cloud / SOLARMAN Smart			
	Remote Communication	WIFI / 4G / LAN			
	Data Interface	RS485 / RS232 / TTL			

