



**SOLAR PV SOLUTIONS  
- THAT PAY OFF -**

**ALWAYS ON. ALWAYS READY.**

**12 - 60 kW Solar Back-Up  
for Businesses**

**24/7 Power Security**

**Cost Saving**

**Long-Lasting**



**TAKE CONTROL OF YOUR POWER**

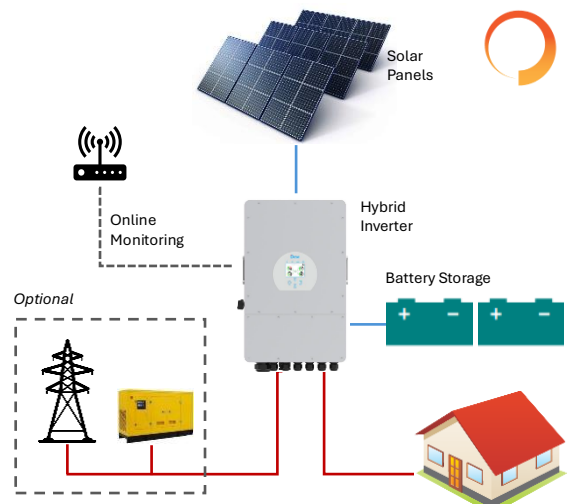
Equator Solar's Business Solutions are built to reliably power businesses and commercial properties with ease. Our solar systems are complete, pre-configured energy packages, delivered with all essential components included. From design and installation to ongoing maintenance, our skilled team takes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



**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 3-phase 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.

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



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



0707 670 251



[www.equatorsolargroup.com](http://www.equatorsolargroup.com)



[info@equatorsolargroup.com](mailto:info@equatorsolargroup.com)



Technical Data		SB-12	SB-20	SB-40	SB-60
<b>Hybrid Inverter</b>	<b>Deye</b>	SUN-12K	SUN-20K	2x SUN-20K	3x SUN-20K
	<b>Rated AC Active Power</b>	12,000 W	20,000 W	2x 20,000 W	3x 20,000 W
	<b>Max. AC Apparent Power</b>	13,200 VA	22,000 VA	2x 22,000 VA	3x 22,000 VA
	<b>No. of MPPT</b>	2	2	2x 2	3x 2
	<b>Grid Connection Form</b>	3-Phase (L+N+PE)			
	<b>Max. Efficiency</b>	97.6%			
	<b>Warranty</b>	5 Years			
<b>Solar PV Panels</b>	<b>Jinko Solar</b>	<b>Tiger Neo N-Type</b>			
	<b>Module Type</b>	JKM590N-72HL4			
	<b>Cell Type</b>	N Type Mono-Crystalline			
	<b>Max. Power STC</b>	590 Wp			
	<b>Module Efficiency STC</b>	22.84%			
	<b>Warranty</b>	12 year product warranty, 30 year power warranty			
	<b>Dimensions</b>	2,278 x 1,134 x 35 mm			
	<b>Weight</b>	27 kg			
<b>Solar PV Array</b>					
	<b>Standard Solar Array Size</b>	10 kWp 17x panels	15 kWp 26x panels	30 kWp 51x panels	45 kWp 77x panels
	<b>Maximum Solar Array Size</b>	18 kWp 30x panels	30 kWp 50x panels	60 kWp 101x panels	90 kWp 152x panels
	<b>Solar Cable</b>	6 mm <sup>2</sup> , UV resistant, double insulated			
	<b>Mounting Type</b>	aluminium rail rooftop / concrete slab / ground			
<b>Battery Pack</b>	<b>BYD</b>	<b>BATTERYBOX LV5.0</b>			
	<b>Cell Type</b>	LFP			
	<b>Usable Energy</b>	5 kWh			
	<b>Max. Charge and Discharge</b>	70 A / 3.5 kW / 0.7 C			
	<b>Round Trip Efficiency</b>	≥ 95%			
	<b>Warranty</b>	5 years			
	<b>Dimensions</b>	195 x 595 x 255 mm			
	<b>Weight</b>	42 kg			
<b>Battery Bank</b>					
	<b>Standard Battery Bank Size</b>	20 kWh 4x pack	30 kWh 6x pack	60 kWh 12x pack	90 kWh 18x pack
	<b>Max. Battery Bank Size</b>	160 kWh, 32x Battery pack			
	<b>BMS</b>	integrated			
	<b>Communication</b>	CAN / RS485 / Bluetooth / Wi-Fi			
<b>System Control</b>	<b>Deye</b>	<b>Stick Logger</b>			
	<b>Online Monitoring</b>	Real-time with remote access			
	<b>Monitoring Platform</b>	Deye Cloud / SOLARMAN			
	<b>Mobile App</b>	Deye Cloud / SOLARMAN Smart			
	<b>Remote Communication</b>	WIFI / 4G / LAN			
	<b>Data Interface</b>	RS485 / RS232 / TTL			

