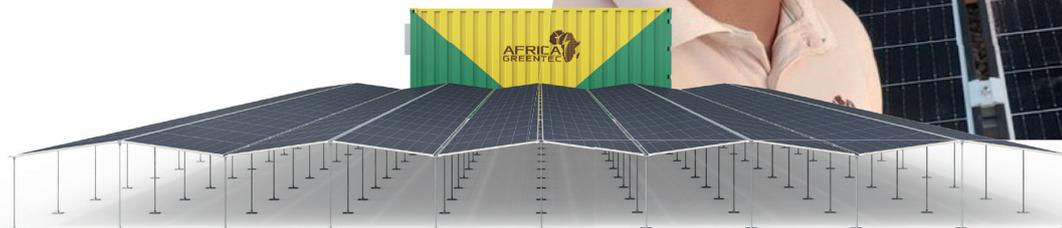




Africa GreenTec #ImpactProduct

Solartainer® Kani

The Solartainer Kani is our scalable hub for sustainable growth in off-grid regions. Electricity is an essential factor for the economic development of communities. With the Solartainer we focus on solar energy, a sustainable and at the same time the most logical energy source in Africa. An intelligent grid distributes the electricity via a prepaid tariff system and enables data analysis and remote maintenance. Thanks to the built-in lithium-ion battery storage, energy is also available in the evening hours and during heavy cloud cover. The storage modules are modularly integrated in a cooled battery cabinet in the Solartainer, so the system is optimally adapted to the warm climate and conditions in the global south.



30 - 90 kWp

scalable solar system due to innovative plug-in substructure



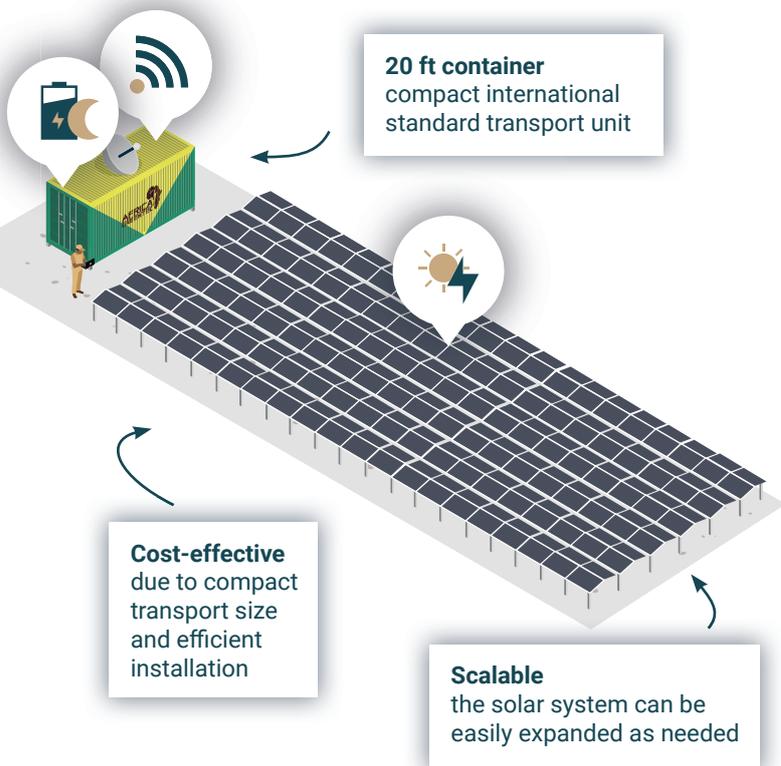
38.4 - 172.8 kWh

scalable lithium-ion battery storage for evening power



100 % renewable energy

No diesel backup needed



Our scalable solution for the electrification of communities

The Solartainer Kani impresses with its compact transport size and high performance at the same time. All necessary system components can be stored and transported in the 20 ft container. This is possible because the individual parts of the innovative plug-in substructure can be stowed in a very space-saving manner. On site, the solar modules are installed as a ground-mounted system on the substructure next to the container. This solar plant can be easily extended up to 75 kWp nominal power as required. Another advantage is the simple assembly of the system, which requires only hand tools (which also fit into the container). The innovative mounting system is designed to maximize land use and achieve the best possible power generation costs. The container itself houses all electrical components, inverter, battery storage including inverter, and necessary electrical cabinets and connections.



Through Africa GreenTec, I can finally work without power outages. My diesel generator was constantly broken, too expensive, and smaller jobs were not economical.

Modibo Traore, Welder



Solartainer Kani Specifications

The Solartainer Kani is available in three different sizes: The smallest (base) unit has an output power of 25 kWac and can then be increased to 50 kW or 75 kW in 25 kW increments:

	Kani 25	Kani 50	Kani 75*
Transport size incl. substructure and PV panels	20 ft Container	20 ft Container	20 ft Container + 6 pallets with PV modules
PV substructure	Ground mounted system with east - west orientation Angle of inclination 8° (conventional orientation also possible on request) No foundations required, installation with manually operated machines		
Wind load	up to 250 km/h		
PV DC Capacity	up to 30 kWp	up to 60 kWp	up to 90 kWp
Battery Capacity	38.4 kWh - 172.8 kWh high quality Li-Ion		
PV Inverter	1x SMA, Sunny Tripower STP 25000TL-30	2x SMA, Sunny Tripower STP 25000TL-30	3x SMA, Sunny Tripower STP 25000TL-30
Rated Output Power	25 kW	50 kW	75 kW
Battery Inverter	3x SMA Sunny Island 8.0H	3x SMA Sunny Island 8.0H	6x SMA Sunny Island 8.0H + SMA Multicluster-Box
Rated Output Power	18 kW	18 kW	12.3 - 20 36 kW
Grid output	3-phase; 230/400 V _{AC} ; 50 Hz		
Off-grid capability	Yes		
Remote Monitoring	AGT Internet of Things Solution + AGT Remote Monitoring Platform		

* Expandable up to 100 kW on request



LinkUP – Internet through integrated satellite communication

Our Solartainer can be optionally equipped with a satellite communication solution, which enables us to provide our customers with internet and thus access to communication, media and education via a hotspot.

The content of this twopager is intended to be used as an advertisement teaser of the product and not a prospectus for the final offer. Information contained in this document may change over time.

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