



Power Tower

The compact solar system

A reliable and sustainable energy supply for regions with high level of sunshine.

- health centers
- clinics
- maternity wards
- schools
- missions
- churches
- individual houses
- office

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In the rural regions of Africa there is no permanent public energy supply, which makes it difficult to run a health station, school or mission.

The installation of the solar system **Power Tower** permits a 24 hours reliable energy supply and contributes to a sustainable improvement of the living conditions.

The solar system **Power Tower** guarantees a reliable energy supply for lighting, cooling of medicines, operation of computers etc.

After the installation of the solar modules on the roof, the pre-assembled mounting board is installed inside the building and the batteries are connected.

By connecting the system to a Diesel-Generator or to the public grid, it can also be used as a Diesel-hybrid-system or emergency power supply system.

The **Power Tower** is made only of high quality components for tropical conditions. Tubular plate batteries with a superior operation time are used to store the energy.

Technical data	2000/24	3500/48
Total power output of solar modules:	1500 Watt	3000 Watt
nominal output power of inverter:	2000 VA 230 Volt/50Hz*	3500 VA 230 Volt/50Hz*
Battery capacity:	8,0 kWh	16,0 kWh
Battery voltage:	24 V	48 V

Two or three systems can be connected with parallel connection in order to double or triple the total power output of the system.

*All systems are available with a voltage of 110 Volt/60 Hz.

Packaging in wooden cases, suitable for seafreight or airfreight

Box 1: (L x W x H)	167 x 109 x 102 cm, 310 kg	167 x 109 x 102 cm, 419 kg
Box 2: (L x W x H)	120 x 80 x 77 cm, 250 kg	120 x 80 x 77 cm, 540 kg
1 package: (L x W x H)	400 x 8 x 8 cm, 20 kg	400 x 16 x 8 cm, 40 kg



BEGECA
D-52064 Aachen, Goethestr.43
Fon +49-(0)241-47798-0
Fax +49-(0)-241-4779815
E-Mail: begeca@begeca.de
Internet: www.begeca.de

Contact:
Matthias Brückner
t. +49(0)241-47798 29
e. brueckner@begeca.de

