

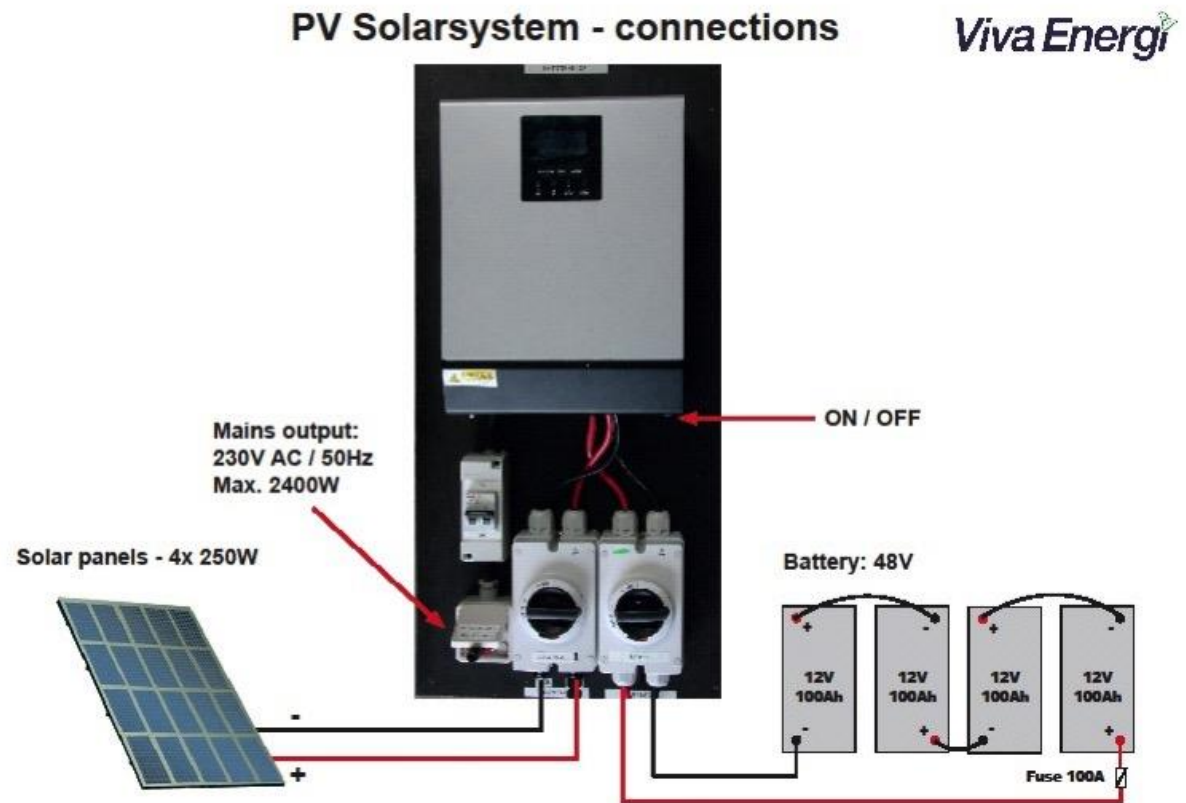
# Solar energy for rural health clinics

- Solar power systems established at four health clinics, serving 10,100 people in the in Kenema District.
- Daytime operation: 3500W/220V AC
- Night-time operation on batteries: 2400W/220V AC
- Corresponds to: A small fridge, 10 LED light bulbs, one computer, one water-boiler, an autoclave and chargers for mobile phones.



# Solar power (PV) system

- A 4 kW charger and inverter, 230V/4000W sinus
- 6 pcs. 250/255W poly-solar-cell panels
- 6 pcs. 100Ah Gel-batteries



# Local ownership and capacity building

- Community mobilization and capacity building through involvement in system development and training in basic system maintenance.
- Collaboration with the district authorities to ensure yearly maintenance checks by a professional technician



# Contribution to sustainable development

- **Improving health services for the rural population** by providing health clinics with power for light, refrigeration and basic medical equipment.
- **Providing clean and reliable energy** by establishing solar power systems that are affordable reliable and easily maintained.
- **Adaption to sustainable technology** by increasing the knowledge of the solar power technology and opportunities and thereby attracting public and private interest.
- **Development of technical expertise locally** by involving communities in every aspect of the system development and operations.

