



Price of solar photovoltaic panels installed in Rwanda

How much does a solar home system cost in Rwanda?

Energy Private Developers (EPD) has currently registered over 40 solar companies who have invested in Solar Home System (SHS) business. SHS kits Capacities available on Rwandan market are those of 12W,20W,40W,50 W,100W,120W,200W and 300W with average price per a kit of 67,678 Rwf.

Is there a market for solar energy in Rwanda?

Only few companies in Rwanda are active in the field of solar energy. They focus mainly on the market for larger systems for public institutions, e.g. hospitals, schools etc through public tenders. In addition they and others are also trying to sell solar home systems but the market for solar lanterns and small home systems is still in its infancy.

Can solar power be used in Rwanda?

Rwanda has chosen to focus on the use of solar power in two main areas: electrification of clinics,schools and administrative offices in remote centers and solar water heating. This approach offers significant environmental and recurrent cost savings,substituting biomass and electricity water heating.

Where is solar photo-voltaic (PV) Rwanda located?

Rwanda's Solar Photo-voltaic (PV) is located in East Africa at approximately two degrees below the equator*. It is generally characterized by Savannah climate and its geographical location endows it with sufficient solar radiation intensity approximately equal to 5kWh/m²/dayand peak sun hours of approximately 5 hours per day.

Is solar energy a viable solution for rural households?

Solar energy is a promising solutionto meet the demand for rural households' electricity services in remote locations. As of May 2021,16 % of Rwandan households are accessing electricity through off-grid systems,mainly solar.

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