



# Sri lanka photovoltaic pv systems

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There are different capacities of solar power panels in the market and the average weight of a Solar Panel of 420 Watts is 24 kilograms. You need to install 5 solar power panels which weighted about 120 Kg, if you are expecting to produce or establish a Solar Power plant of 2 kiloWatts. The load on the roof will be increased in line with the capacity. Therefore the strength of the roof should be carefully looked at considering the 20 year life span of the plant

You can install a solar power plant with the capacity to generate the electricity to match your monthly consumption. This calls the Net Metering concept. In this scheme, you won't be able to sell the electricity to the grid.

Your electricity will be banked in the utility system if you generate electricity more than the consumption and the banked units can be used within a period of 10 years. However, it will cancel if you couldn't consume it in that given period of time.

Net Accounting, where a consumer will get paid in money if their solar-generated power is greater than what is consumed from the grid. The tariff is set at Rs22 per unit (1 kilo Watt hour) for the first seven years and Rs15.50 thereafter for 13 years. Total agreement period will be 20 years.

Net Plus, where there is no link between how much electricity the consumer uses from the grid for which billing will happen and how much solar-generated electricity is supplied to the grid which will be paid in full at the rate of 22 rupees per unit for 7 years and 15.50 rupees for the balance 13 years

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