



# Average microgrid storage price per 50kW in Malaysia

How much will the grid system cost in 2021?

From the output of the development plan, it is estimated that the annual system costs of the grid system will increase from RM 28.79 billion to RM 41.96 billion in 2021 and 2030, respectively.

How much electricity can a solar power plant generate in Malaysia?

On a tropical climate, an estimated solar irradiance of 4000-5000 W/m<sup>2</sup> were recorded annually in Malaysia. Hence, a single PV could generate electricity for 4 to 8 h on average in a day. As mini hydro and biomass require larger deployment costs and space in a larger-scale generation, this hinders the progression of both RES for now.

What are the different types of electricity tariffs in Malaysia?

For electrical tariffs in Malaysia, it is divided into two categories which are fixed and time-of-use. For fixed tariffs, only domestic and selected low-voltage commercial users are subjected to a prorate utilization of electricity whereby the rates increase proportionally to the energy demand.

1) Total battery energy storage project costs average  $\text{RM} 580/\text{MW}$  68% of battery project costs range between  $\text{RM} 400/\text{MW}$  and  $\text{RM} 700/\text{MW}$ . When exclusively considering two-hour sites the median of battery project costs are  $\text{RM} 650/\text{MW}$ .



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