

Off-grid energy storage bangkok

According to the annual report of the Electric Power Company of Thailand, in 2018, the electricity consumption of the whole society in Thailand was 191,378GWh, which has grown steadily in recent years, with an average growth rate of 2.2% in the past nine years (2010~2018). From the perspective of the distribution of electricity consumption in the whole society in each month of 2018, the electricity consumption in each month is stable, and the electricity consumption is relatively high from March to May, and relatively low in December and February of the following year.

At present, in terms of cross-border interconnection, Thailand has achieved interconnection with all neighboring countries except Myanmar, mainly Laos, Malaysia and Cambodia. Among them, electricity is exported to Malaysia through the 300 kV high-voltage direct current transmission project, electricity is imported from Laos through the 230 V and 500 kV high-voltage AC project, and electricity is imported from Cambodia through the 115 kV AC project. According to the plan, the scale of interconnection with neighboring countries will be further expanded in the future.

Wind power: Between 2010 and 2019, Thailand's wind power showed a good development trend, increasing from 6MW in 2010 to 1507MW in 2019, with an increase of about 1.5GW in installed capacity, and its share in renewable energy increased from 0.1% to 12.7%.

According to the forecast of Thailand's medium and long-term GDP, population, electricity consumption per capita, and elasticity coefficient of electricity consumption, it is predicted that Thailand's electricity demand in 2025, 2030, and 2040 will be 236.3TWh, 280.6TWh, and 377.1TWh respectively.

Function: Daily power consumption for farmhouses and electric cars, 220V system to meet the demand of home power and electric cars, stable power output, remote monitoring and maintenance system.



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