Global Cases

Textile Factory

- Location: São Paulo, Brazil
- Application: Peak Shaving and Valley Filling; Backup Power.
- Solution and Benefits:

  PV: 216 kW

  Energy Storage System: 200 kW / 400 kWh

  (With another same project in progress)
- Project Benefits:
  - Peak-Valley Arbitrage Profits: The electricity price difference in Brazil can reach 1.8 RMB (subject to exchange rate and electricy price fluctuations).
  - Provide backup power for critical loads during grid outages.
  - Cost Reduction: The PV + Energy Storage System reduces energy costs, improves energy efficiency, and increases the self-consumption of solar power, supporting the factory’ s green, low-carbon, and cost-reduction objectives.

Global Cases

Floor Manufacturer

- Location: Jiangsu Province, China
- Application: PV+Energy Storage System; Peak Shaving and Valley Filling; Solar power consumption.
- Solution and Benefits:

  PV: 4.2MW

  Energy Storage System: 4MW/8MWh

  - Project Benefits:
    - Peak-Valley Arbitrage Profits.The local eletricity price difference is 0.9 RMB, with two daily charge-discharge cycles, generating substantial daily profit.
    - PV+Energy Storage System reduce energy costs, improve energy efficiency, and increase self-consumption of solar power, supporting green, low-carbon, and cost-reduction goals in company operations while also enhancing carbon credits.
    - Renewable energy equipments can be used as fixed assets to offset 25% of income tax.

Global Cases

Precision Machine Manufacturer

- Location: Zhejiang Province, China
- Application: Backup Power; Peak Shaving and Valley Filling
- Solution and Benefits:

  Energy Storage System: 1.8MW/3.6MWh

  - Project Benefits:
    - SAV is responsible for investment, construction, and O&M.The energy storage system offers a scalable solution for backup power, integrating seamlessly with existing loads to ensure uninterrupted energy supply during power outages, thereby reducing potential losses caused by downtime.
    - Peak-Valley Arbitrage Profits. The local eletricity price difference is 0.8 RMB, with two daily charge-discharge cycles, generating substantial daily profit.

Global Cases

Flour Mill

Location: Cape Town, South Africa

- Application: Microgrid
- Solution and Benefits:

  PV: 1MW

  Energy Storage System: 300KW/600KWh

  - Project Benefits:
    - 100% Green Power: The production process is powered entirely by renewable energy, eliminating dependence on the local utility grid and mitigating production disruptions caused by power outages.
    - Cost Reduction: The system significantly reduces production costs by lowering electricity expenses and ensuring reliable power availability.

Global Cases

Spinning Factory

- Location: Bangladesh
- Application: Backup Power; Solar Power Consumption
- Solution and Benefits:

  PV: 1MW

  Energy Storage System: 500KW/1000KWh

  - Project Benefits:
    - Reliable Backup Power: Power outages and grid instability are common in Bangladesh. The ESS ensures continuous operation of the spinning factory, preventing costly downtime during grid disruptions by storing power from the grid or the excess solar energy for backup.

Global Cases

Fish Pond

- Location: Honduras
- Application: Backup Power
- Solution and Benefits:

  PV: 100KW

  Energy Storage System: 57KW/114KWh

  - Project Benefits:
    - Backup Power: The energy storage system stores excess solar or grid power, providing stable electricity during outages or at night, ensuring continuous operation of the fish farm.
    - Energy Independence: Combined with solar, the storage system provides a reliable off-grid power source, boosting the farm's energy independence and reducing risks from grid instability.