农业灌溉用光储供电解决方案

Photovoltaic-Energy Storage Solution for Agricultural Irrigation

方案简介

Solution Introduction

农业灌溉用光储供电解决方案是对灌溉用电有刚性需求的国家和地区推出的"光伏发电-电能存储-用电"整体解决方案。该系统可为缺电地区的农业灌溉提供安全、可靠、稳定和持续的电力供应，可以满足日照条件欠佳时的刚性灌溉用电需求。另外，系统还预留市电接口，可接入 380V/50Hz 市电。

Photovoltaic-energy storage solution for agricultural irrigation is a "photovoltaic power generation - energy storage – electricity usage" integrated solution, which is specially designed to meet the rigid demand for irrigation electricity in some countries and regions. The system can provide safe, reliable, stable and sustainable power supply for agricultural irrigation in power-deficient areas, and can meet the demand of rigid irrigation power when sunshine conditions are poor. In addition, the system also has an utility interface, which can be connected to the power grid of 380V/50Hz.

农业灌溉用光储供电解决方案主要由光伏发电系统、储能电池组、电池管理单元、逆变系统、泵送系统、预付费系统、微网控制单元和云监控系统组成。

Photovoltaic-energy storage solution for agricultural irrigation is mainly composed of photovoltaic power generation system, energy storage battery pack, battery management unit, inverter system, pump system , prepayment system, micro-grid control unit and cloud monitoring system.

适用场景

Application

缺电或频繁停电地区对农业灌溉有可靠用电需求的场景

Scenarios of reliable electricity demand for agricultural irrigation in areas with power shortages or frequent power outages.

方案特点

Solution Features

- 支持市电接入
- 8 年寿命设计、安全可靠
- 支持功率和备电时间个性化定制
- 光储协同工作，灌溉用电稳定可靠

- 内置储能电池，可实现负载长效工作

- 远程监控系统状态，可实现精益化管理

- Photovoltaic-energy storage works together and the load power consumption is stable and reliable.

- Built-in battery pack for long-term load operation

- Remote monitoring of system status can realize lean management

- Eight years life design, safe and reliable

- Supporting grid access

- Supporting customization of power and standby time

推荐产品

Recommend Products

11kW 水泵用光储一体机产品

Integrated Photovoltaic-Energy Storage Machine for 11kW Water Pump

内含大容量储能电池组，满足 11kW 水泵功率需求

Including large capacity battery pack to meet the power requirement of 11 kW

pump