

50 kW Commercial Off-Grid Solar System

A power-and-energy reference platform for remote sites, productive loads and microgrids.

PUBLIC PRODUCT PAGE

- High-voltage LFP architecture
- Three-phase four-wire output
- BMS, EMS, cooling and fire



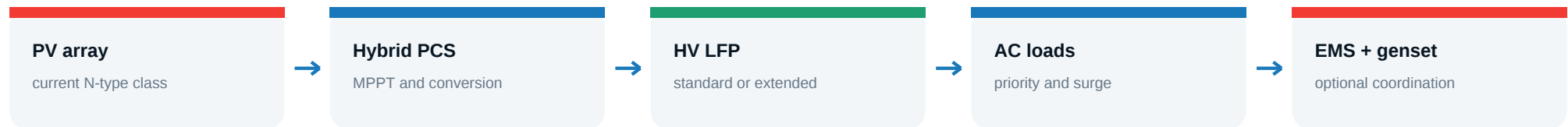
PARAMETER	CURRENT-MARKET REFERENCE	PARAMETER	CURRENT-MARKET REFERENCE
Product ID	SX-OFF-50-V2	Protection / control	Outdoor IP54-IP55 / BMS / EMS / active cooling / fire protection
AC power	50 kW	PV reference	60-75 kWp
Module	Current 700-715 W N-type module class / 85-106 modules at 710 W reference / final by PCS MPPT	Battery	100 kWh / High-voltage LFP / approximately 2-hour reference
Inverter / PCS	50 kW bidirectional PCS or hybrid inverter / max PV 75-100 kW class	Grid output	400 V three-phase 4-wire

DESIGN AND QUOTATION CHECK Optional extended storage 200 kWh / generator input and transfer mode project-specific

Power, energy and load behavior designed as one system

A reliable off-grid proposal starts with the 24-hour load profile, motor surge and autonomy target - then sizes PV, PCS, battery and generator logic together.

SYSTEM ARCHITECTURE



WHERE IT FITS

Typical applications

- Remote factory
- Farm and irrigation
- Island or community
- Clinic and critical loads

REFERENCE PACKAGE

System scope

- PV array
- Bidirectional PCS
- High-voltage LFP battery
- BMS and EMS
- Distribution and protection
- Cooling, fire and monitoring

SOLARXPORT METHOD

How we reduce risk

- Current-market component screening
- Electrical compatibility before quote
- Destination-market configuration
- One coordinated export package

SEND THESE PROJECT INPUTS

24-hour load list / largest motor and starting method / required autonomy / generator data / site temperature and altitude / installation space / future expansion

REQUEST A DESIGN