

50 kW / 100 kWh C&I Energy Storage System

An outdoor C&I storage class for peak shaving, backup and solar self-consumption.

PUBLIC PRODUCT PAGE

- Two-hour-class energy
- Integrated BMS and EMS
- IP54-IP55, cooling and fire



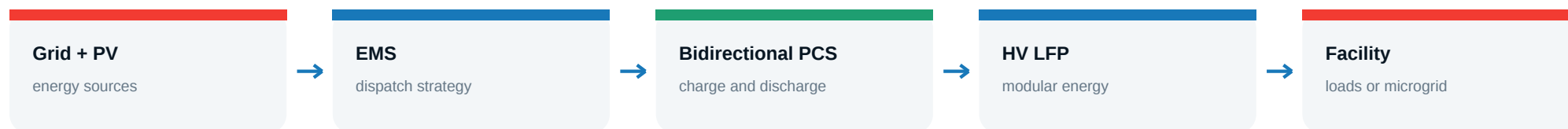
PARAMETER	CURRENT-MARKET REFERENCE	PARAMETER	CURRENT-MARKET REFERENCE
Product ID	SX-CIESS-50-100-V2	Protection / control	IP54-IP55 / BMS / EMS / active air or liquid cooling by cabinet / fire protection
AC power	50 kW	PV reference	0-60 kWp
Module	Optional PV input	Battery	100 kWh / High-voltage LFP / nominal 2-hour energy ratio
Inverter / PCS	50 kW PCS / optional 60 kW PV input	Grid output	400 V three-phase 4-wire

DESIGN AND QUOTATION CHECK Round-trip efficiency target at least 89% / THDi target below 3% / Ethernet and RS485

An integrated storage platform built around the business objective

Peak shaving, backup and PV self-consumption require different control logic. The quotation aligns energy capacity, PCS power, EMS strategy and site constraints.

SYSTEM ARCHITECTURE



WHERE IT FITS

Typical applications

- Peak-demand control
- Time-of-use shifting
- Critical-load backup
- PV self-consumption

REFERENCE PACKAGE

System scope

- Outdoor cabinet
- Bidirectional PCS
- LFP battery racks
- BMS and EMS
- Cooling and fire system
- Communication interface

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

15-minute load data / tariff and demand charges / backup power and duration / existing PV / grid interconnection / site layout / ambient conditions / control objective

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