

Photomate

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Big energy storage system, future for challenges

HUAWEI FUSIONSOLAR PARTNER for CEE, Scandinavia, Baltics and Eurasia





FOREIGN OFFICES

SALES OFFICES EUROPE AND ASIA

- ▷ **České Budějovice** ▶ Czechia
- ▷ **Prague** ▶ Czechia + Slovakia
- ▷ **Kyiv, Lviv** ▶ Ukraine
- ▷ **Warsaw** ▶ Poland
- ▷ **Budapest** ▶ Hungary
- ▷ **Sønderborg** ▶ Denmark
- ▷ **Stockholm** ▶ Sweden
- ▷ **Tallinn** ▶ Baltics
- ▷ **Bucharest** ▶ Romania
- ▷ **Plovdiv, Sofia** ▶ Bulgaria
- ▷ **Tbilisi** ▶ Georgia
- ▷ **Tashkent** ▶ Uzbekistan
- ▷ **Almaty** ▶ Kazakhstan



COOPERATION WITH HUAWEI

- ▶ SUPPORT FOR 10 REGIONAL HUAWEI BRANCHES
- ▶ COOPERATION WITH HUAWEI TEAM OF 90 PEOPLE IN THE AREAS OF TECHNICAL SUPPORT, SALES, LOGISTICS AND MARKETING



VALUE ADDED
Partner



CERTIFIED SERVICE
Partner





BASIC FACTS



INVERTER
BUSINESS
SINCE 2008

ACTIVE IN
23 COUNTRIES

**15 FOREIGN
OFFICES**

1



5.800+ MW IN 2022
11.500+ MW SINCE 2016
HUAWEI INVERTERS

**400+ MWH
BESS**

490 M USD* 2022

2



150
EMPLOYEES

40
TECHNICAL
SUPPORT

220+M INHABITANS
MARKET

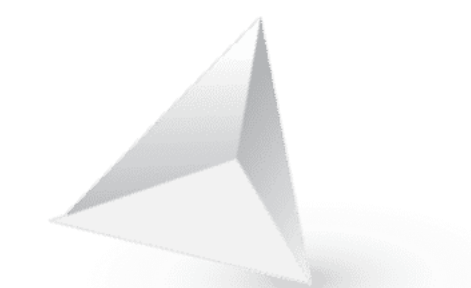
3



165 IN 2022
TRAININGS

5000+ IN 2022
TRAINED
INSTALLERS

4





TECHNICAL SUPPORT

1

PRESALES SUPPORT

STRING DESIGN

COOPERATION
ON DESIGN
PREPARATION

PV SYST SIMULATION

TRAININGS

2

AFTERSALES SUPPORT

COMMISSIONING
SUPPORT

TRAININGS

SERVICE

SPARE PARTS
MANAGEMENT

3

BESS

ENERGY DATA
MEASUREMENT & ANALYSIS

SOLUTION STUDY & CONDITIONS

DESIGN OF OPTIMAL PV
PERFORMANCE AND BESS CAPACITY

EVALUATION OF INVESTMENT
RETURN



SMART EV CHARGER

DRIVE WITH SUN POWER



Single Phase

7.4 kW/32A

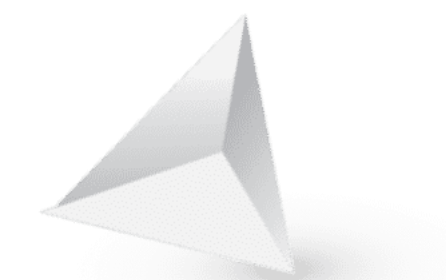
Three Phase

22 kW/32A

HUAWEI SMART CHARGER

HUAWEI SMART PV CONTROLLER:

SUN2000 – 330KTL-H1



Your Magic PV Box

Smart PV Controller converts direct current from the sun into alternating current

Max. Efficiency	≥99.0%
Max. Input Voltage	1,500 V
Nominal AC Active Power	300,000 W
Nominal Output Voltage	800 V, 3W + PE



HUAWEI SMART BATTERY STORAGE:

OPTIMAL LCOS, ACTIVE SAFETY



2 MWh ESS + PCS	
Rated output power	200 kW
Max. Efficiency	99 %
Max. input voltage	1500 Vdc
Rated output voltage	800 Vac
Rated capacity	2064 MWh
Cell Type	LFP Cells
Container	20 feet
Protection level	IP55



200 kWh ESS + PCS	
Rated output power	100 kW
Max. Efficiency	98,5 %
Max. input voltage	1100 Vdc
Rated output voltage	400 Vac
Rated capacity	200 kWh
Cell Type	LFP Cells
Container	2,5 x 2 x 1 m
Protection level	IP55



BATTERY ARCHITECTURE

OPTIMAL CONFIGURATION

LCOS battery reduction over 15% compared to the standard solution

EXTENDED SERVICE LIFE

Temperature rise <math>< 5^\circ</math> @ 1C Enhances battery life

EASY MAINTENANCE

OPEX annual savings ~ € 725 / MWh

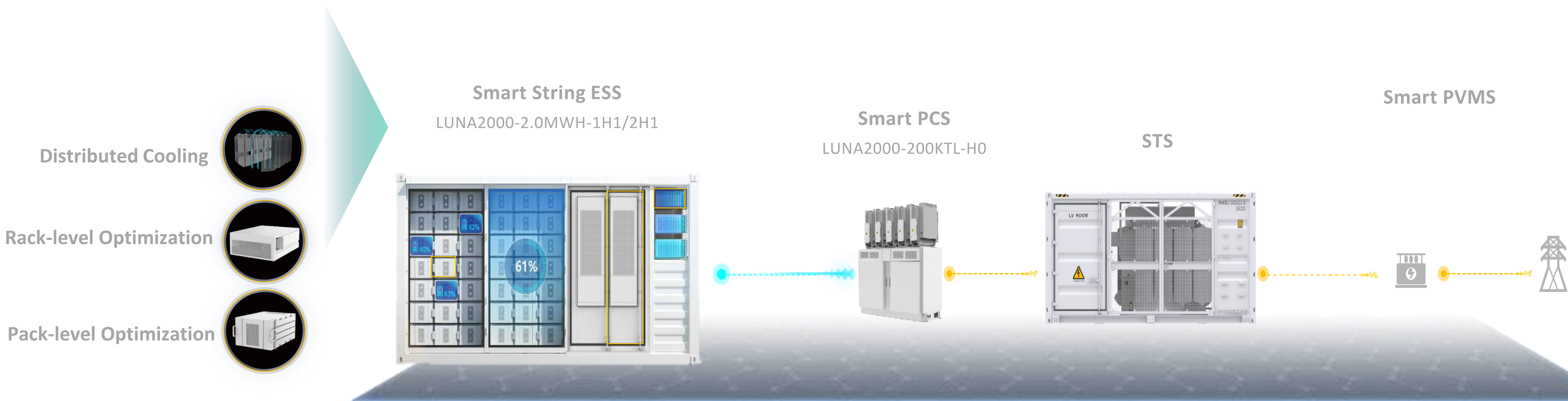
SECURITY & RELIABILITY

Reliability - 99.9% Fire hazard prediction

HUAWEI SMART BATTERY STORAGE: HUAWEI

OPTIMAL LCOS, ACTIVE SAFETY

LUNA2000-2.0MWH-1H1/2H1



More Revenue



Simple O&M



Safety & Reliability

HUAWEI SMART BATTERY STORAGE:

OPTIMAL LCOS, ACTIVE SAFETY

200 kWh ESS + PCS

Rated output power 100 kW

Max. Efficiency 98,5 %

Max. input voltage 1100 Vdc

Rated output voltage 400 Vac

Rated capacity 200 kWh

Cell Type LFP Cells

Container 2,5 x 2 x 1 m

Protection level IP55





THANK YOU
FOR YOUR ATTENTION

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