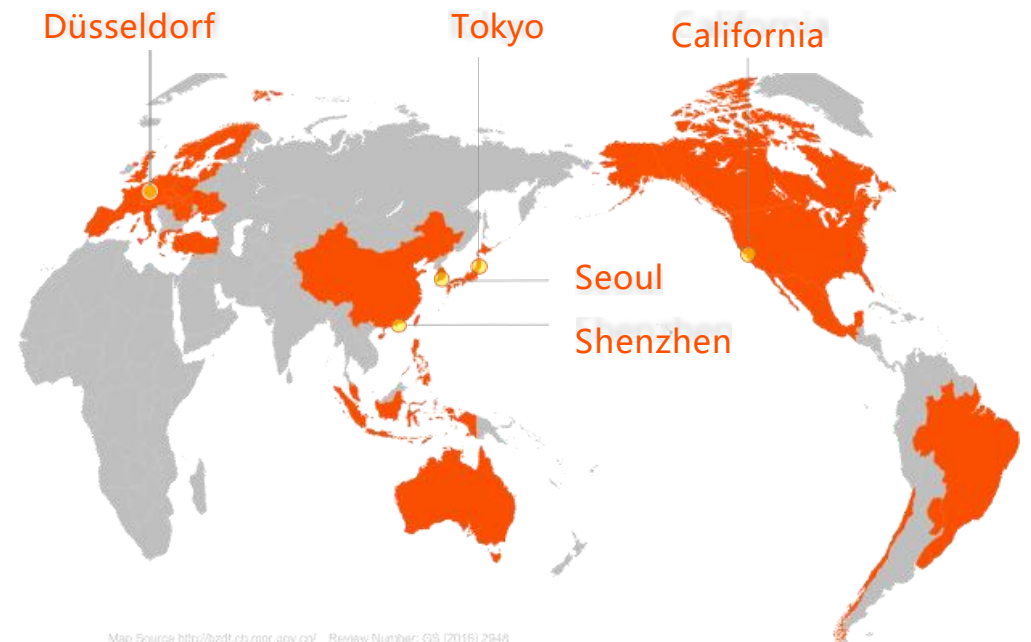# About Jackery

Founded in 2012 in California, USA, Jackery was born with a vision to bring green energy to all. In 2016, Jackery launched the world's first outdoor portable power stations and, two years later, developed the world's first portable solar panels. Having introduced solar generators to the great outdoors, Jackery fulfills the power needs of every nature-lover, inspiring them to explore further and seek more extraordinary experiences than before. We encourage our global adventurers to enjoy the outdoors sustainably, working together to protect our planet.

Global Offices

Düsseldorf
Tokyo
California
Seoul
Shenzhen

Map Source http://bzdt.ch.mnr.gov.cn/   Review Number: GS (2016) 2948

Jackery
Solar Generator | Sustainable Power for Your Life

Milestones

2012
- Founded in Silicon Valley, California

2016
- Jackery Launched its First Lithium Portable Power Station - the Explorer Series
- Won the German Red Dot Design Award
- Recipient of the iF Design Award

2018
- Jackery Launched its First Portable Solar Panel - the SolarSaga Series
- Won the German Red Dot Design Award
- Recipient of the CES Innovation Award

2020
- Recognized as the top-selling outdoor brand in the U.S. and Japan
- Recipient of the CES Innovation Award

2022
- Launched flagship Solar Generator 1000 Pro and 2000 Pro
- Introduced the SolarSaga 80W—the world's first photovoltaic product to receive TÜV SÜD's prestigious certifica
- Winner of the Red Dot: Best of the Best award
- Named "Best of IFA 2022" by TechRadar

2023
- Global sales surpassed 3 million units
- Launched flagship Solar Generator Plus Series
- Achieved industry-first carbon footprint Verification by TÜV SÜD
- Winner of the SEAL Sustainable Product Award

TIME BEST INVENTIONS 2023

2024
- Global sales reached 5 million units
- Winner of the SEAL Sustainable Product Award
- Recipient of the iF Design Award
- Launched the Jackery 5000 Plus, Smart Transfer Switch, and 500 X Solar Panel for whole-home backup

2025
- Debuted the Jackery Solar Roof, the first curved solar tile in the United States
- Announced the upcoming launch of the Jackery 3000v2, providing essential home backup solutions
- Introduced the first Jackery Solar Generator RV Kit
- Debuted the HomePower Energy System, delivering complete home power solutions

Balcony Solar Power Storage System

Jackery HomePower 2000 Ultra

Jackery Solar Generator

On-Grid & Off-Grid
Up to 1500W AC Output

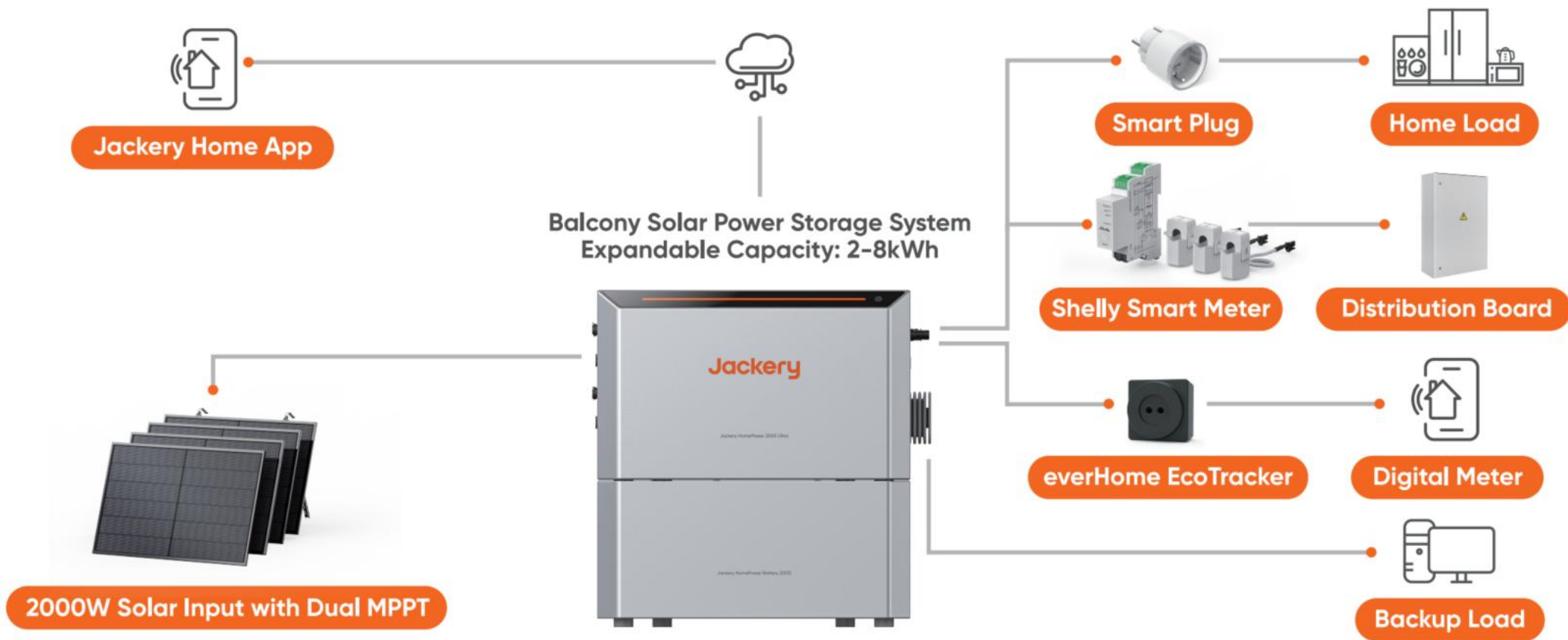**AC/DC Hybrid Charge**
Up to 2000W

2800W Solar Input
2000W(MPPT)+800W(Microinverter)

Expandable to 8kWh
2 kWh for One Unit

One Device Fits All
Balcony, Home, Outdoors

Jackery Home App

Balcony Solar Power Storage System
Expandable Capacity: 2-8kWh

Smart Plug

Home Load

Shelly Smart Meter

Distribution Board

everHome EcoTracker

Digital Meter

Backup Load

2000W Solar Input with Dual MPPT

Jackery HomePower 2000 Ultra

The Ultra-Safe Balcony Solar Power with Intelligent Fire-Fighting System.

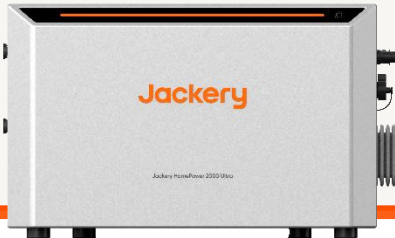**Saving | Powerful | Secure | Smart | Simple | Reliable**

Upgrades of HomePower 2000 Ultra

Navi 2000

HomePower 2000 Ultra

		Navi 2000	HomePower 2000 Ultra	
🔋	Capacity	2048 Wh	2048 Wh	
☀️	PV Power	1600W (2/2)	2000W (2/2)	25% ↑
⚡	AC Power	1200W	1500W	25% ↑
📐	Dimensions	382×460×350 mm	270×445×270 mm	40% ↓
⚖️	Weight	29.8 kg	25.6 kg	14% ↓

Compare DIY G1 and G2

Navi 2000

VS

HomePower 2000 Ultra
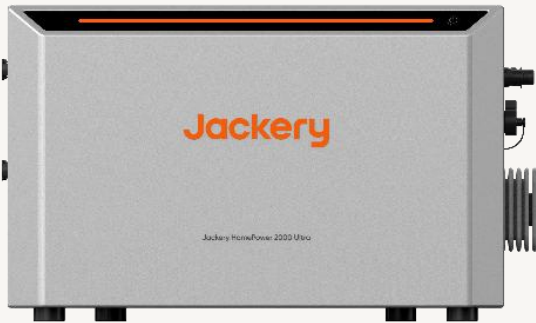
Brand	Jackery	
Product Name	Navi 2000	HP2000 Ultra
Capacity/Wh	2048	2048
PV Input(W/String)	1600/2	2000/2 ⬆
AC-On-grid Output/W	800	800
AC-On-grid Input/W	1200	1500 ⬆
AC Load Input/W	1200	800
AC Load Output/W	1200	1500 ⬆
Microinverter Connection	Yes	Yes
Energy Management	Whole Home+Single Euipment	Whole Home+Single Euipment
Standby Power	Single Euipment	Single Euipment
Weight/kg	29.7 kg	25.6 kg⬆
Size/mm	460×382×350 mm	445×270×270 mm ⬆
Warranty	10	10
Intelligent Fire Safety System	None	Yes ⬆
Dynamic Electricity Tariffs	None	Yes ⬆
Bidirectional Charging	Yes	Yes
Environmental Adaptation	-20℃~55℃；IP65	-20℃~55℃；IP65
Wireless Group-Network	Yes	Yes
Temperature & Humidity Monitoring	None	Yes ⬆
Single Machine Expansion/KWh	8	8

Key Selling Points

Saving
- 2800W Solar Input
- Dynamic Electricity Tariffs: Charge at the Lowest Price
- 0 Waste: Every Watt Serves Your Home Ecosystem

2 Years Payback：Save Up to €1304 per year on Energy Bills.

Powerful
- 2-8 kWh Flexible Capacity
- 1500W AC Output
- Emergency Power Supply < 20 ms

**2-8kWh, 1500W EPS < 20 ms:
Energy Independence Starts from Your Balcony.**

Secure
- Intelligent Fire-Fighting System with three-tier Protection
- -20 to 55℃, Proven Reliability in Extreme Environments
- IP65 Waterproof and Dust Resistant for Outdoors
- 10-Year Warranty & 15-Year Lifespan

Intelligent Fire-Fighting System, Extreme Weather Alerts, -20 to 55℃, IP65 and 10-Year Warranty for Total Peace of Mind.

Smart
- Maximize Savings with Shelly Smart Accessories
- Intelligent Schedules Charging/Discharging

Intelligent Control from a Single Device to the Whole Home: Your Energy-Saving Smart Assistant.

Simple
- 0 Drills · 3 Cables · 5 Minutes
- 200W Ultra-Lightweight Flexible Solar Panels
- Plug and Play, Easy to Use

Solar in a Snap: Easy, Simple, Friendly.

Reliable
- 100+Protections
- 1000+Tests
- Long-lasting LFP Batteries

Proven Reliability, Built to Last.

From Saving Money to Energy Independence

Independent Energy — Just Like an RESS!

Safety certification for **Residential Energy storage system** (RESS)
Up to **2kW PV and 8kWh battery systems**

Maximize Every PV Watt in Your Home

Patented power consumption management technology,
supporting 0 solar energy waste by **Smart Meter**!

Provide Your Home with the Most Free Solar Energy Possible

2000W (MPPT) + 800W (Microinverter)
Save Up to €1304 per year on Energy Bills.

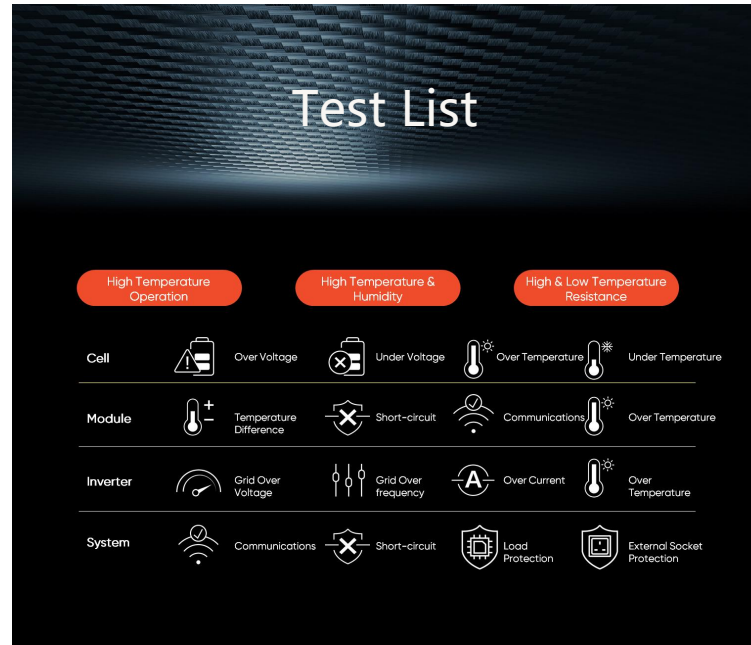### Dynamic Electricity Tariffs: Charge at the Lowest Price

Charge your system at the lowest price possible and
discharge at peak prices automatically.

Safe and Reliable

Fire-Fighting

Intelligent Fire-Fighting System
Three-tier Protection
Detecting Temperature, Alarms, Aerosol fights fires

Test List

	High Temperature Operation	High Temperature & Humidity	High & Low Temperature Resistance	
Cell	Over Voltage	Under Voltage	Over Temperature	Under Temperature
Module	Temperature Difference	Short-circuit	Communications	Over Temperature
Inverter	Grid Over Voltage	Grid Over frequency	Over Current	Over Temperature
System	Communications	Short-circuit	Load Protection	External Socket Protection

100+ Safety Protections
4-Level System Guard
1000+Verification Tests
3 Long-Term Reliability Tests

-20 to 55℃

IP65

Operation in all climates
No derating at high temperature
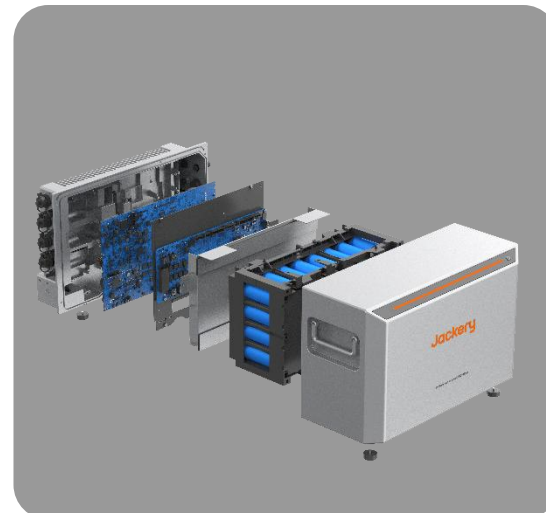Ultimate safe charging strategy at low temperature

Simple-Easy to Use

Easily Keep Critical Loads (95% of household appliances) Powered With 1500W off-grid power

Plug-and-play, easily upgrade your existing balcony solar equipment, a maximum 800W microinverter

World-Leading All-In-One Design Prestigious Winners of Muse Design & Green Good Design

Simple and Quick Installation No Drilling and Only 3 Cables Required Easy Self-Installation in 5 Minutes*

Note: *It takes just 5 mins to complete the installation without professionals for HomePower 2000 Ultra + 1*200W Flexible Solar Panel, and 20 mins for HomePower 2000 Ultra + 800W Solar Panel (Rigid) .

Smart and Efficient
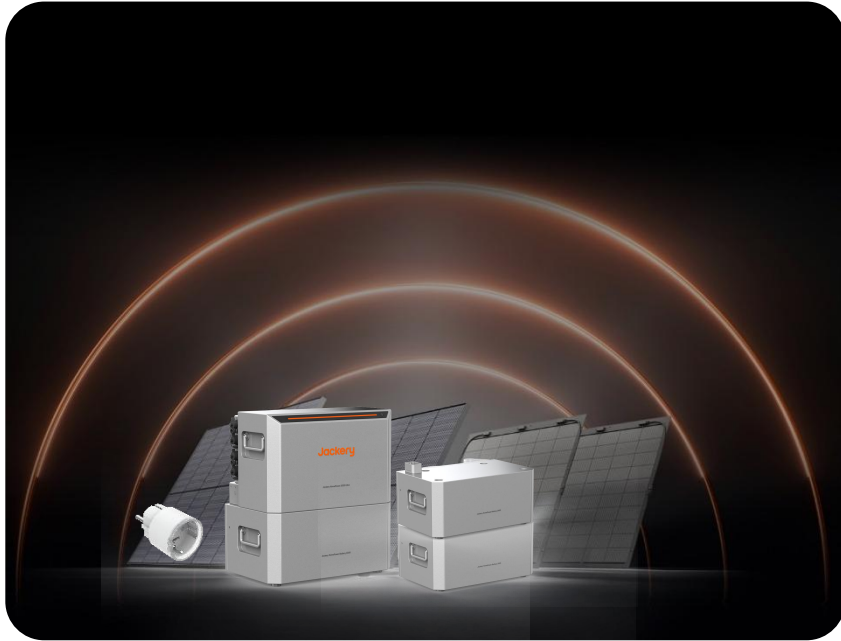
Intelligent Whole-Home Energy Management
Smart Meter + Plugs for Precise Control of
All Loads and Individual Devices
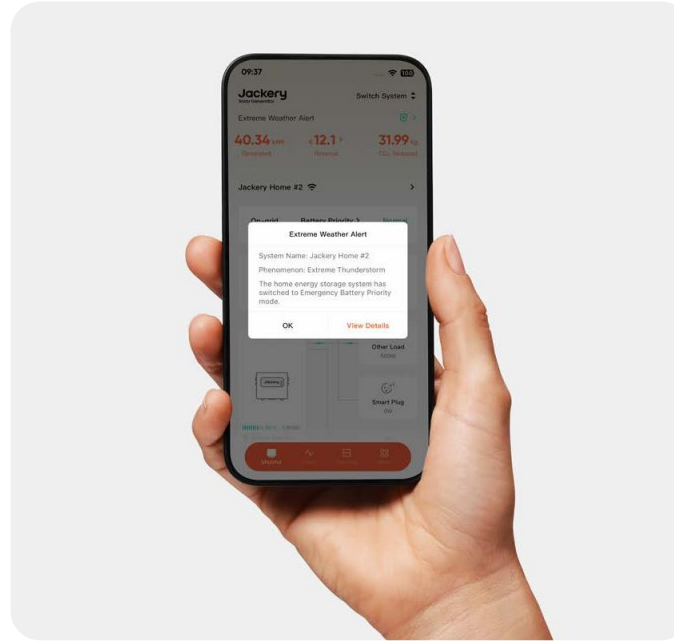
Extreme Weather Alerts
One-Click Time of Use
Dynamic Electricity Tariffs

Grid + Solar Hybrid Charging
80% Charged in 52 minutes
Emergency Power Supply with 20ms Automatic

Basic Kit

NEW

Power Station 2kWh/1500W
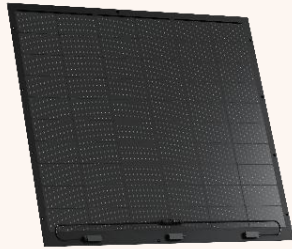
AC Ongrid Cable
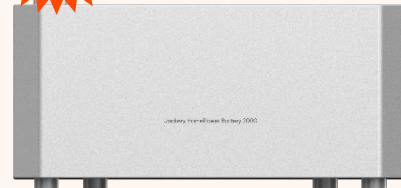
MC4 Solar Cable

NEW

Cable Tidy Collector

Cloud Platform + App

Expansion Kit

NEW

Flexible Panel 200W

Battery Pack 2 kWh

Flat MC4 Solar Cable

8020-MC4 Charge Cable

Car-MC4 Charge Cable

Smart Kit

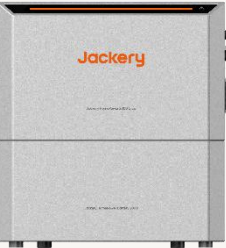Shelly Smart Plug

Shelly Pro 3EM/EM 50

AC On-grid Extension Cable*
(15 Meters)

Note: *Not the same port size as Generation 1

JACKERY DIY SOLAR GENERATOR FOR HOME
Jackery HomePower 2000 Ultra

- Up to 2800W* Solar Input and 2-8kWh Flexible Capacity for One System
- Support RESS application
- 0 Energy Waste: Seamlessly Integrated with Shelly, Smart Living Meets Balcony Solar
- 0 Drilling, 3 Cables, 5 Mins Installation, Movable and Flexible for Home & Outdoor
- Hybrid Charge + Extreme Weather Alerts, 80% Charging in just 52 mins
- Residential ESS-Level Safety, 10 Years Warranty

*Note: 2000W (MPPT) + 800W (Microinverter)

Product Name	HomePower Battery 2000
Total/Rated Capacity (Ah)	40/38
Total/Rated Energy (Wh)	2048/1945
Protection Class	I
Battery Type and Cycle Life (Cycles)	LFP, 6000
Dimensions (mm)	445×270×205
Weight (kg)	20
IP Rating	IP65

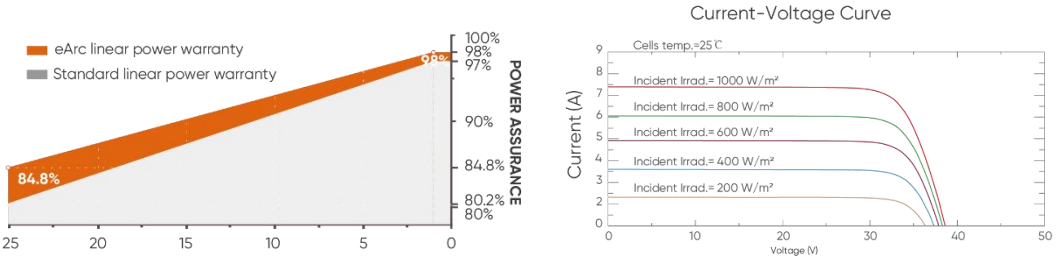| Product Name	HomePower 2000 Ultra
PV Input	
Maximum PV Input Power (W)	2000
Maximum PV Input Voltage (V)	60
Maximum Input Current (A)	26
MPPTs/Strings	2/2
Overvoltage Category	II
AC Input	
Grid Voltage (VAC)	230
Rated Grid Frequency (Hz)	50/60
Overvoltage Category	III
AC Output	
Rated Output Power (W)	800 (On-Grid)
	1500 (Off-Grid)
THDv	< 3%
Battery Specifications	
Rated Energy (Wh)	2048
Battery type	LFP
Allowed Packs Per Tower	3
Mechanical Specifications	
Dimensions (W*D*H) (mm)	445×270×270
Weight (kg)	25.6
Ingress Protection Rating	IP65
Environmental Specifications	
Operating Temperature (°C)	-20 to 55
Operating Altitude (m)	≤ 3000
Noise Emission (dB(A))	<10
Comm	
Communications	Wi-Fi/Bluetooth
User interface	Jackery Home App
Certification Compliance	
Safety EMC/Standard	IEC62040, IEC62368, IEC62619, UN38.3, IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-3
Grid Code	Grid Regulation VDE-4105

Jackery 200W Flexible Solar Panel

- 60 Half Cell Monocrystalline Module
- Flexible and Lightweight, Perfect for DIY
- Balcony, Courtyard, Garage Roof, Car Roof Applicable

12 Year Warranty

CE IEC

- Easy to install: The four-step installation process makes it easy for one person to set up
- Ultra-light: Glass-free module weighs 3.2 kg, 1/3 the weight of conventional glass modules
- Aesthetic: Seamless integration with underlying installation surface
- Durable: A glassless module passed the same durability tests as conventional glass modules

eArc linear power warranty
Standard linear power warranty

84.8%

Current-Voltage Curve

Cells temp.=25℃
Incident Irrad.= 1000 W/m²
Incident Irrad.= 800 W/m²
Incident Irrad.= 600 W/m²
Incident Irrad.= 400 W/m²
Incident Irrad.= 200 W/m²

Electrical Characteristics	STC	NMOT
Max. Power - P_{max} (W)	200±5%	162.3
Open-Circuit Voltage - V_{oc} (V)	41.64±5%	41.7
Short-Circuit Current - I_{sc} (A)	6.22±5%	5.09
Voltage at P_{max} -V_{mp} (V)	34.71	34.2
Current at P_{max} - I_{mp} (A)	5.93	4.75
Module Efficiency -ηm (%)	16.9	
Power Tolerance (W)	(0, +5)	
Max. System Voltage (VDC)	1500 (IEC)	
Max. Series Fuse Rating (A)	25	
Mechanical Specifications		
External Dimensions (mm)	1172×1026×2	
Weight (kg)	3.2	
Solar Cells	Monocrystalline silicon (182 mm half cell)	
Frame	Frameless	
IP Rating of the Junction Box	IP68	
Output Cables	4.0 mm², 450 mm (+), 450 mm (-)	
Connector	MC4 Compatible	
Temperature Characteristics		
P_{max} Temperature Coefficient (%/°C)	-0.34	
V_{oc} Temperature Coefficient (%/°C)	-0.26	
I_{sc} Temperature Coefficient (%/°C)	0.033	
Operating Temperature (°C)	-40 to +85	
Nominal Module Operating Temperature (NMOT) (°C)	41±2	

Smart Plug

The smart plug monitors and controls lighting, heating, or any other connected electrical appliance at home. When Jackery HP 2000 Ultra is paired with the Smart Plug Pro, you gain precise monitoring of your home's energy consumption.

- Manage power supplies up to 12A
- LED indications to keep you aware of power consumption and state
- Local Wi-Fi connection with HomePower 2000 Ultra
- Precise power control and home load monitor

Mechanical	
Size (HxWxD)(mm)	44x44x70 ±0.5
Weight (g)	60 ±1
Compatible Sockets	CEE 7/1, CEE 7/3 (Type F / Schuko) or CEE 7/5 (Type E)
Compatible Plugs	CEE 7/2, CEE 7/4 (Type F / Schuko), CEE 7/7, CEE 7/16 (Type C) or CEE 7/17
Shell Material	Plastic
Environmental	
Ambient Temperature (°C)	-20 to 40
Humidity	30 % to 70 % RH
Max. Altitude (m)	2000
Electrical	
Power Supply Voltage (VAC)	230±10 %, 50/60 Hz
Power Consumption (W)	< 1
Output Circuit Ratings	
Max switching voltage AC (V)	260
Max switching current AC (A)	12
Sensors, Meters	
Temperature Sensor	Yes
Voltmeter	Yes
Ammeter	Yes
Power and Energy Meters	Yes
Radio	
RF Band (MHz)	2400 - 2495 MHz
Max. RF Power (dBm)	<20 dBm
Wi-Fi Protocol	802.11 b/g/n
Wi-Fi Range (m)	≤30/100 (indoors); ≤50/160 (outdoors) depending on onsite conditions
Bluetooth Protocol	4.2
Bluetooth Range (m)	≤10/33 (indoors); ≤30/100 (outdoors) depending on onsite conditions

Smart Meter -WIFI/Bluetooth

This device is a two-channel, single-phase energy meter. Enhanced with all the HP2000 Ultra Series firmware flexibility and LAN connectivity, it provides additional options for end-customer solutions. This meter reports accumulated energy as well as instantaneous voltage, current, active, and apparent power per phase in real time.

- 4 Quadrant measurement
- DIN rail mounting
- Current transformer connection
- Accuracy Class B (IEC 62053-21)

Mechanical	
Size (HxWxD)(mm)	94x19x69 ±0.5
Weight (g)	63 ±1
Mounting	DIN rail
Environmental	
Ambient Temperature (°C)	-20 to 40
Humidity	30 % to 70 % RH
Max. Altitude (m)	2000
Electrical	
Power Supply Voltage (VAC)	100 - 260, 50/60 Hz
Power Consumption (W)	< 3
Output Circuit Ratings	
Max switching voltage AC (V)	240
Max switching current AC (A)	2
Sensors, Meters	
Temperature Sensor	Yes
Voltmeter	100 - 260 V, ±1 %
Ammeter	5 - 50 A, ±1 % (5 - 50 A), ±2 % (0 - 5 A)
Power and Energy Meters	Yes
Radio	
RF Band (MHz)	2400 - 2495
Max. RF Power (dBm)	<20
Wi-Fi Protocol	802.11 b/g/n
Wi-Fi Range (m)	≤30 (indoors); ≤50 (outdoors) depending on onsite conditions
Bluetooth Protocol	4.2
Bluetooth Range (m)	≤10 (indoors); ≤30 (outdoors) depending on onsite conditions

JACKERY DIY SOLAR GENERATOR FOR HOME
Jackery Home App

With a Wi-Fi or 4G connection, the Jackery Home App monitors your energy storage system's operational data in real time. In the user app interfaces, you can view your system's real-time power output, usage, and savings data. Just one click helps you control your energy-saving preferences and evaluate historical trends.

Jackery Home

Available on the App Store

GET IT ON Google Play
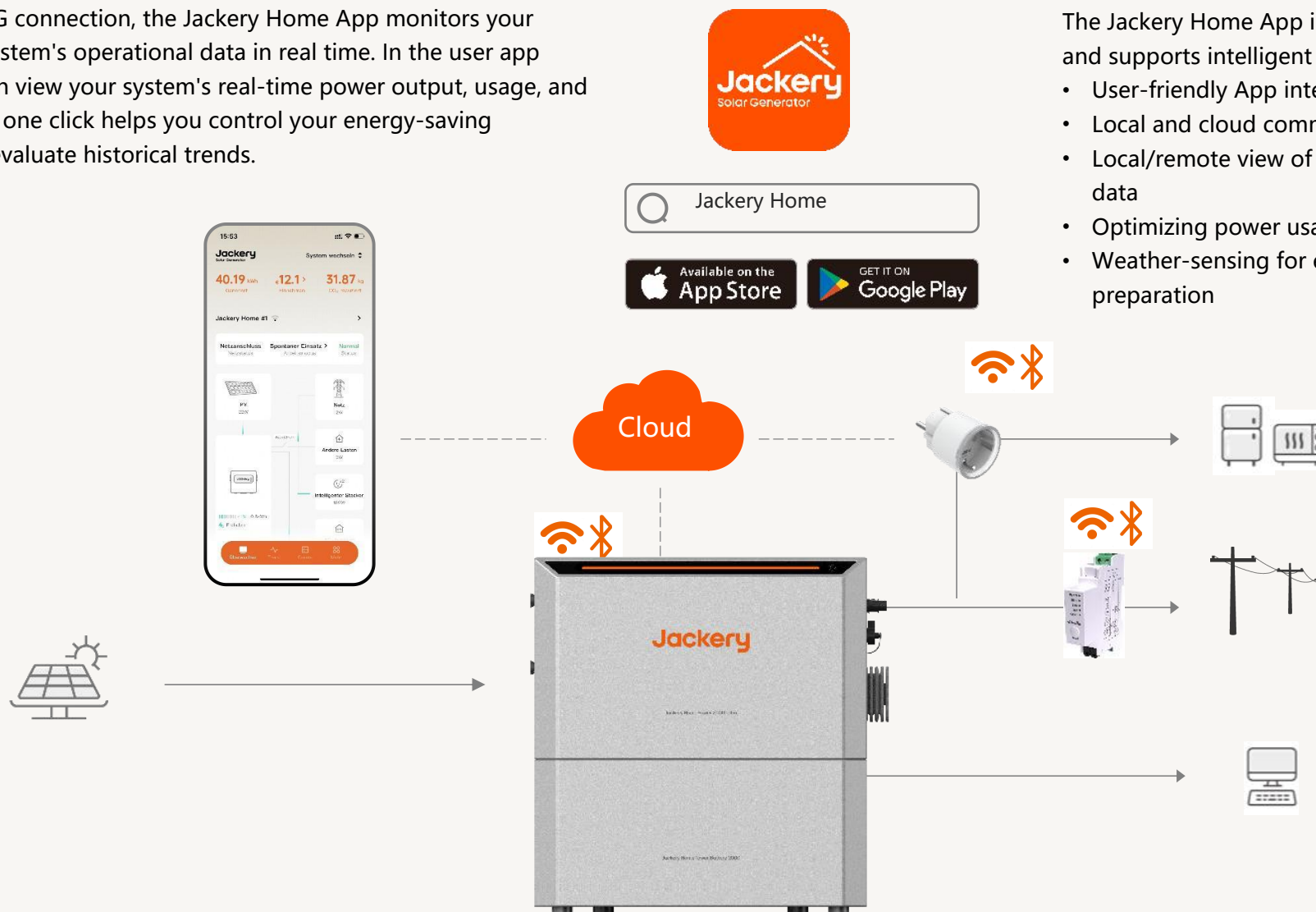
The Jackery Home App is easy and convenient to operate and supports intelligent optimization.
- User-friendly App interfaces
- Local and cloud commissioning
- Local/remote view of power generation and consumption data
- Optimizing power usage habits based on usage data
- Weather-sensing for early warning and power preparation

Cloud

Retail Partnerships

10000+ Retail Stores

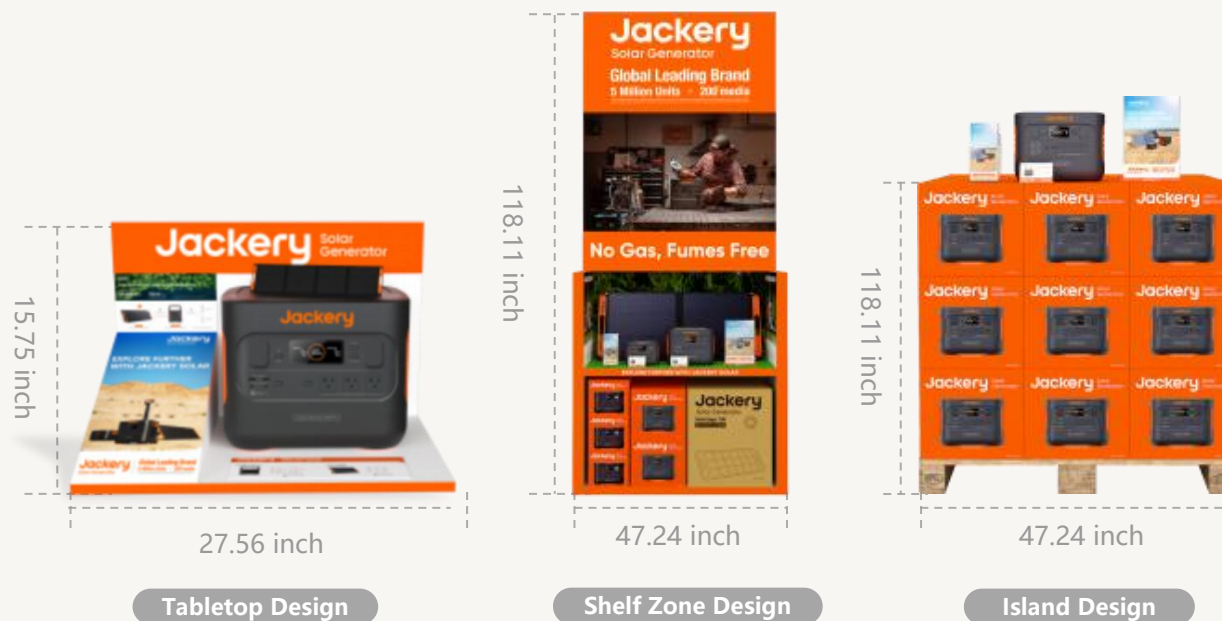
- COSTCO WHOLESALE
- BEST BUY
- THE HOME DEPOT
- Walmart
- OBI
- LOWE'S
- Target
- CANADIAN TIRE
- HARBOR FREIGHT

40+ Online Stores

- www.jackery.com — Jackery Solar Generator
- amazon

15.75 inch · 27.56 inch
Tabletop Design

118.11 inch · 47.24 inch
Shelf Zone Design

118.11 inch · 47.24 inch
Island Design

Jackery Inc

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Toll Free: 1-888-502-2236 (US only) Mon-Fri, 9AM-5PM (PST)

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Customer Support: hello@jackery.com

Sustainable Power for Your Life