



# SMART HYBRID POWER SET

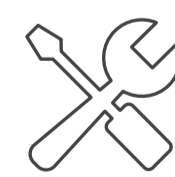
Power when you need it.



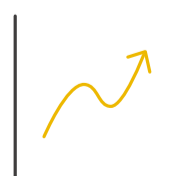
**Long Battery  
Life**



**Low Noise  
Level**



**Easy  
Maintenance**



**Fuel Economy &  
Cost Efficiency**



**Stable  
Output**



**Smart  
Control**

# Smart Hybrid Power Set

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FJ Dynamics smart hybrid power solution consists of a low noise fuel generator and a large-capacity portable power station. It allows you to keep away from the noise and exhaust gases of the generator and extends the battery life of the portable power station. Our solution provides an efficient, economic, and lasting emergency power supply, satisfying your needs for electricity in any situation.

## Core Features |

### Quiet and Clean

With the smart control technology, your devices are mainly powered by the portable power station, while the generator automatically starts only when the battery level of the portable power station drops below the lower threshold and stops when the battery level reaches the upper threshold. This approach helps create a comfortable environment with less noise and exhaust emissions.

### Efficient Output

With the support of Uninterruptible Power Supply (UPS), the portable power station is able to continuously provide high output power of above 2,000 W for external devices while itself is being charged. This keeps your devices working properly and prevents software and hardware damages.

### Fuel Efficient

Charging the portable power station with a stable output power, the generator works in the optimal status to reduce fuel consumption. The dedicated app allows you to monitor the status of the generator and portable power station in real time and set their parameters, including the battery level thresholds for turning on and off the generator, full-load operation, and ECO mode.

### Large Fuel Tank

FJ Dynamics generator comes with a 12 L gasoline tank, which is enough for you to drive your car for almost 120km at average level. You can enjoy charging and recharging your portable power station without worrying about refuelling for a long time.

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You need a lasting power supply to keep things working in case of emergency.

# Outdoor Use ▶

## Outdoor Travel

- Lighting
- Cooking
- powering various devices
- Work (laptops and mobile phones)
- Entertainment (TVs, game machines, and audio devices)

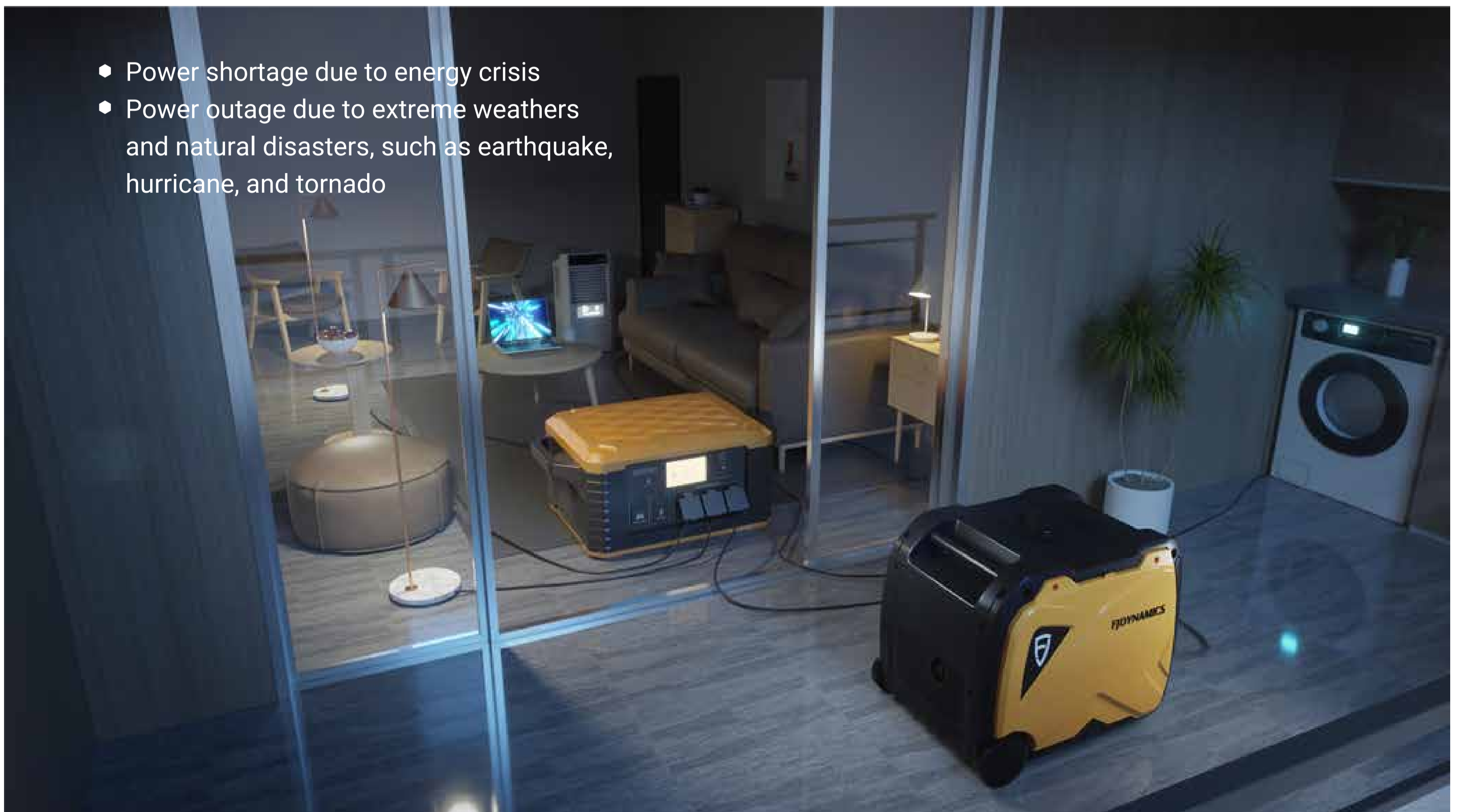
## Outdoor Operation

- Construction
- Scientific research
- Powering professional devices



# Home Emergency ▼

- Power shortage due to energy crisis
- Power outage due to extreme weathers and natural disasters, such as earthquake, hurricane, and tornado



# Product Specification |

Charging time	
Max. distance between generator and portable power station	
Continuous working time (full load)	

Generator		
Dimension	595x440x515	mm
Weight	40	kg
Rated Voltage	120~240	V
Rated Frequency	50/60	Hz
Rated Power	3.5	kw
Max Power	4	kw
DC Output Voltage	12	V
DC Current	8.3	A
Engine Type	Single cylinder, 4-Stroke	/
Displacement	223	cc
Fuel Tank Capacity	12	L
Engine Oil Capacity	0.6	L
Noise Level(at a 7m distance)	64	dB
Continuous Working time	5 ( Full load)	h
	12 ( 1/2 load)	h

Portable Power Station		
Dimensions	574×369×259	mm
Net Weight	27	kg
Rated Power	2,000	W
Rated Capacity	2,264	Wh
Standard Capacity	3.7 / 612,000	V / mAh
Overload Protection	2100±80	W
Battery Replacement	Quick battery pack replacement	/
Charging Temperature	0 - 40	°C
Operating Temperature	-15 - 45	°C
Ingress Protection Rating	IP54 (battery pack)	/
AC Output	110 ±10 V 50/60 Hz, 230 V±10 V 50/60 Hz (offline UPS)	/
Cigarette Lighter Output	12 / 8	V / A
DC5525 Output	12 / 4	V / A
USB-A Fast Charging Output	5 V 2.5 A, 9 V 2 A, 12 V 1.5 A, 18 W max.	/
USB-C Output	5 V DC, 9 V DC, 12 V DC, 15 V DC, 20 V DC, 3 A, 60 W max.	/
Output Waveform	Pure sine wave	/
Charging Input Voltage	US/JP 95 – 130 V (direct charging)	/
	EU 200 – 240 V (direct charging)	/