



EU PRODUCT CATALOG 2026

Portable Power Stations

Thirteen models from 512 Wh pocket stations to 19 kWh expandable systems — LiFePO₄ safety and EU compliance throughout.



SunoraX SX-P08 Power Station

Big power for small adventures. 800 W from just 6.2 kg.

The compact entry to the SunoraX lineup — UPS backup and a full charge in one hour.

800W

Rated AC output,
1600 W surge power

1 hr

AC fast charging
at max 500 W

4000+

LiFePO4 battery
cycle life

800W

Pure Sine Wave
1600 W surge



Truly Compact



Outdoor Ready

UPS

Backup power
start <10 ms

SPECIFICATIONS



	Specification	SX-P08
Battery	Capacity	512 Wh (25.6 V / 20 Ah)
	Battery type	LiFePO4, 160000 mAh
	Cycle life	4000 times
	Charge & discharge	Simultaneous, supported
AC output	Rated power	800 W (surge 1600 W)
	UPS	200-240 V, 3.5 A max, <10 ms
	Frequency	50 Hz / 60 Hz
	Inverter efficiency	≥90%
	Output wave	Pure sine wave
	AC sockets	1× outlet, 220-240 Vac, 16 A max
USB & DC	USB-QC3.0	1× 18 W
	USB-A	2× 12 W (5 V / 2.4 A)
	Type-C	1× PD 100 W
	DC5521	2× 36 W (12 V / 3 A)
	Car port	1× 120 W (12 V / 10 A)
Charging	AC charging	Fast charging max 500 W
	Solar input	5521 port, 12-50 V / 7 A, MPPT 200 W
	AC charge time	1 hr
	Solar charge time	2 hrs 45 mins
General	Protection	BMS management, full protection suite
	Operating temp.	Charge 0-40 °C · Discharge -10-40 °C
	Dimensions	293 × 178 × 205 mm
	Weight	N.W. 6.2 kg · G.W. 6.8 kg
	Certification	CE, FCC, PSE, UN38.3, EMC, LVD, RoHS
	Warranty	2 years



SunoraX SX-P10 Power Station

One kilowatt-hour of A-grade cells. 8000+ cycles of value.

The best cost-performance 1 kWh station — compact, exquisite and built to last.

1005Wh

Highest capacity
in its class

8000+

A-grade cell
cycle life

300W

Pure sine wave
dual AC outlets

8000+

Cycle life
A-grade cells



Compact Design



Van Life Ready

36W

USB-C + DC
total output

SPECIFICATIONS



	Specification	SX-P10
Battery	Capacity	1004.8 Wh (3.2 V)
	Battery type	LiFePO4, 314000 mAh
	Cycle life	8000 cycles, $\geq 70\%$ retention
	Charge & discharge	Simultaneous, supported
AC output	Rated power	300 W (surge 600 W / 1 s)
	Backup mode	200-240 V, 3 A max, <10 ms
	Frequency	50 Hz / 60 Hz
	Inverter efficiency	$\geq 85\%$ (25 °C)
	Output wave	Pure sine wave
	AC sockets	2× outlets, total 300 W
USB & DC	USB-QC3.0	2× 18 W
	Type-C	1× PD 36 W
	DC5521	2× 36 W (12 V / 3 A)
	Combined DC	USB + Type-C + DC5521 = 36 W total
Charging	AC charging	Max 350 W (200-240 Vac, 4 A)
	Solar input	XT60, 12-50 V / 11 A, max 200 W
	Car charging	12 V / 8 A, 24 V / 10 A
	AC charge time	3 hours
	Solar charge time	5 hours
General	Protection	BMS management, full protection suite
	Operating temp.	Charge 0-40 °C · Discharge -10-40 °C
	Dimensions	276 × 185 × 199 mm
	Weight	N.W. 9 kg · G.W. 10 kg
	Certification	CE, FCC, UN38.3, EMC, LVD, RoHS
	Warranty	2 years



SunoraX SX-P10P Power Station

1800 W of silent power. Only 29 dB under load.

High output, ultra-quiet operation and smart app control in the smallest 1 kWh body.

1800W

Rated AC output,
3600 W surge

29dB

Ultra-quiet under
500 W load

70min

Fast AC charge
0-100%

1800W

From a 1 kWh
station



Smart App Control



Garden & Home

29dB

Whisper quiet
under 500 W

SPECIFICATIONS



	Specification	SX-P10P
Battery	Capacity	1024 Wh (51.2 V)
	Battery type	LiFePO4, 320000 mAh
	Cycle life	4000 times
	Charge & discharge	Simultaneous, supported
AC output	Rated power	1800 W (surge 3600 W)
	UPS	200-240 V, 9 A max, <10 ms
	Frequency	50 Hz / 60 Hz
	Inverter efficiency	≥90%
	Output wave	Pure sine wave
	AC sockets	4× outlets, 16 A max
USB & DC	USB-QC3.0	2× 18 W
	Type-C	1× PD 20 W + 1× PD 100 W
	DC5521	2× 36 W (12 V / 3 A)
	Car port	1× 120 W (12 V / 10 A)
Charging	AC charging	Fast max 1200 W / slow 500 W
	Solar input	XT60, 12-50 V / 11 A, MPPT 500 W
	Car charging	12 V / 8 A, 24 V / 10 A
	AC charge time	1 hr 10 mins
	Solar charge time	2 hrs 10 mins
General	Protection	BMS management, full protection suite
	Operating temp.	Charge 0-40 °C · Discharge -10-40 °C
	Dimensions	346 × 228 × 238 mm
	Weight	N.W. 11.7 kg · G.W. 12.7 kg
	Certification	CE, FCC, PSE, UN38.3, EMC, LVD, RoHS
	Warranty	2 years



SunoraX SX-P20 Power Station

The best-selling 2 kWh class, perfected.

Bidirectional inverter, adjustable 1800 W fast charging and WiFi / Bluetooth app control.

2400W

Rated AC output,
4800 W surge

1800W

4-level adjustable
AC fast charging

2048Wh

LiFePO4 capacity,
4000+ cycles

2400W

Powers 95% of
home appliances



App Control



Workshop Backup

90min

0-100% AC
fast charge

SPECIFICATIONS



	Specification	SX-P20
Battery	Capacity	2048 Wh (51.2 V)
	Battery type	LiFePO4, 640000 mAh
	Cycle life	4000 times
	Charge & discharge	Simultaneous, supported
AC output	Rated power	2400 W (surge 4800 W)
	UPS	200-240 V, 12 A max, <10 ms
	Frequency	50 Hz / 60 Hz
	Inverter efficiency	≥90%
	Output wave	Pure sine wave
	AC sockets	4× outlets, 16 A max
USB & DC	USB-QC3.0	2× 18 W
	Type-C	2× PD 20 W + PD 45 W + PD 100 W
	DC5521	2× 36 W (12 V / 3 A)
	Car port	1× 120 W (12 V / 10 A)
Charging	AC charging	Max 1800 W, adjustable 400 / 800 / 1200 / 1800 W
	Solar input	XT60, 12-60 V / 10 A, MPPT 500 W
	Car charging	12 V / 8 A, 24 V / 10 A
	AC charge time	1 hr 30 mins
	Solar charge time	4 hrs 30 mins
General	Protection	BMS management, full protection suite
	Operating temp.	Charge 0-40 °C · Discharge -10-40 °C
	Dimensions	399 × 286 × 320 mm
	Weight	N.W. 21.5 kg · G.W. 25 kg
	Certification	CE, FCC, PSE, UN38.3, EMC, LVD, RoHS
	Warranty	2 years



SunoraX SX-P20P Power Station

3200 W Pro output with 1000 W solar input.

The 2 kWh flagship — double MPPT current for a full solar charge in 2.5 hours.

3200W

Rated AC output,
6400 W surge

1000W

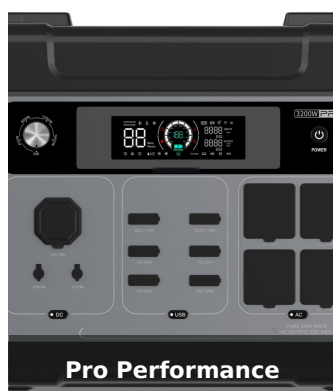
MPPT solar input,
12-60 V / 20 A

90min

0-100% AC
fast charge

3200W

Pro power for
heavy loads



1000W

MPPT max
solar input

SPECIFICATIONS



	Specification	SX-P20P
Battery	Capacity	2048 Wh (51.2 V)
	Battery type	LiFePO4, 640000 mAh
	Cycle life	4000 times
	Charge & discharge	Simultaneous, supported
AC output	Rated power	3200 W (surge 6400 W)
	UPS	200-240 V, 12 A max, <10 ms
	Frequency	50 Hz / 60 Hz
	Inverter efficiency	≥90%
	Output wave	Pure sine wave
	AC sockets	4× outlets, 16 A max
USB & DC	USB-QC3.0	2× 18 W
	Type-C	2× PD 20 W + PD 45 W + PD 100 W
	DC5521	2× 36 W (12 V / 3 A)
	Car port	1× 120 W (12 V / 10 A)
Charging	AC charging	Max 1800 W, adjustable 400 / 800 / 1200 / 1800 W
	Solar input	XT60, 12-60 V / 20 A, MPPT 1000 W
	Car charging	12 V / 8 A, 24 V / 10 A
	AC charge time	1 hr 30 mins
	Solar charge time	2 hrs 30 mins
General	Protection	BMS management, full protection suite
	Operating temp.	Charge 0-40 °C · Discharge -10-40 °C
	Dimensions	399 × 286 × 320 mm
	Weight	N.W. 22 kg · G.W. 25.5 kg
	Certification	CE, FCC, PSE, UN38.3, EMC, LVD, RoHS
	Warranty	2 years



SunoraX SX-P50P Power Station

5120 Wh of reliable power. 3600 W for everything.

Large capacity and high power for extended off-grid living, RVs and backup duty.

5120Wh

Large LiFePO4 capacity, 100 Ah

3600W

Rated AC output, 7200 W surge

100min

0-100% at 3000 W AC fast charge

3600W

5x AC outlets
7200 W surge



High Capacity



RV & Camper

1000W

MPPT max
solar input

SPECIFICATIONS



	Specification	SX-P50P
Battery	Capacity	5120 Wh (51.2 V, 100 Ah)
	Battery type	LiFePO4, 1600000 mAh
	Cycle life	4000 cycles, $\geq 70\%$ retention
	Charge & discharge	Simultaneous, supported
AC output	Rated power	3600 W (surge 7200 W / 0.1 s)
	Backup mode	200-240 V, 14 A max, <10 ms
	Frequency	50 Hz / 60 Hz
	Inverter efficiency	$\geq 90\%$ (25 °C)
	Output wave	Pure sine wave
	AC sockets	5× outlets, 3600 W max
USB & DC	USB-A	2× 12 W
	USB-QC3.0	2× 18 W
	Type-C	2× PD 100 W
	DC5521 / RV / Car	2× 36 W + GX16 aviation + car port combined 120 W
Charging	AC charging	Fast max 3000 W / slow 600 W
	Solar input	XT60, 12-60 V / 20 A, MPPT 1000 W
	Car charging	12 V / 8 A, 24 V / 10 A
	AC charge time	1 hr 40 mins
	Solar charge time	5 hrs 45 mins
General	Protection	BMS management, full protection suite
	Operating temp.	Charge 0-40 °C · Discharge -10-40 °C
	Dimensions	550 × 299 × 487 mm
	Weight	N.W. 52.5 kg · G.W. 58 kg
	Certification	CE, FCC, PSE, UN38.3, EMC, LVD, RoHS
	Warranty	2 years



SunoraX SX-E20 Expandable Station

2 kWh that grows to 16 kWh. Powers 99% of home loads.

Modular home backup — stack expansion batteries as your energy needs grow.

3200W

Rated AC output
for heavy loads

16kWh

Max capacity with
expansion packs

2 hrs

0-100% AC
fast charging

16kWh

Expandable
capacity



Modular Stack



Home Backup

3200W

Runs 99% of
appliances

SPECIFICATIONS



	Specification	SX-E20
Battery	Base capacity	2048 Wh, LiFePO4
	Expandable to	16 kWh with expansion batteries
	Charge & discharge	Simultaneous, supported
AC output	Rated power	3200 W
	Coverage	Capable for 99% of home appliances
	Output wave	Pure sine wave
USB & DC	Type-C	2× PD 100 W
	DC output	2× 12.6 V / 10 A fast charge
Charging	AC charge time	0-80% in 1 hr · 0-100% in 2 hrs
Smart	App control	WiFi / Bluetooth remote control
	Protection	BMS management, full protection suite
General	Certification	CE, UN38.3 · full report on request
	Warranty	2 years
	Full datasheet	Dimensions & weight on request



SX-E20 Pro + 1 expansion = 4096 Wh

SX-E20 Pro + 2 expansions = 6144 Wh

SX-E20 Pro + 3 expansions = 8192 Wh



SunoraX SX-E20 Pro Expandable Station

3600 W, 16 kWh expandable — with an on-grid port.

The most expandable 2 kWh station, ready for microinverter on-grid feeding.

3600W

Rated AC output
for 99% appliances

80min

0-100% at 2200 W
ultra-fast AC charge

720W

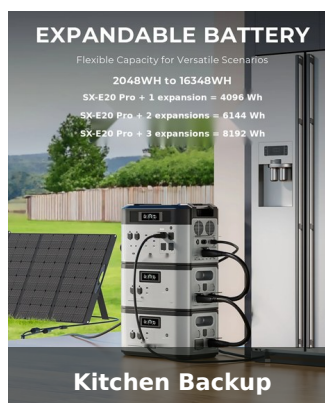
On-grid via 48 V/15 A
aviation port

16kWh

Most expandable
2 kWh station



Stackable Design



EXPANDABLE BATTERY

Flexible Capacity for Versatile Scenarios

2048Wh to 16348Wh

SX-E20 Pro + 1 expansion = 4096 Wh

SX-E20 Pro + 2 expansions = 6144 Wh

SX-E20 Pro + 3 expansions = 8192 Wh

Kitchen Backup

720W

On-grid with
microinverter

SPECIFICATIONS



	Specification	SX-E20 Pro
Battery	Base capacity	2048 Wh, LiFePO4
	Expandable to	16 kWh with expansion batteries
	Charge & discharge	Simultaneous, supported
AC output	Rated power	3600 W
	UPS	Switchover < 10 ms
	Output wave	Pure sine wave
On-grid	Aviation port	48 V / 15 A, GX16
	On-grid power	Up to 720 W with microinverter
Charging	AC charging	Ultra-fast up to 2200 W
	AC charge time	0-100% in 1 hr 20 mins
Smart	App control	WiFi / Bluetooth remote control
	Protection	BMS management, full protection suite
General	Certification	CE, UN38.3 · full report on request
	Warranty	2 years
	Full datasheet	Dimensions & weight on request



SunoraX SX-E50 Pro Expandable Station

6000 W output. Expandable to 19 kWh.

EV-grade cells and flagship power for whole-home backup and off-grid living.

6000W

Rated AC output
for high-draw loads

19kWh

Max capacity with
expansion packs

100min

0-100% at 3200 W
AC fast charge

6000W

Flagship
power output



Stackable System



Off-Grid Cabin

5000+

EV-grade cell
cycle life

SPECIFICATIONS



	Specification	SX-E50 Pro
Battery	Base capacity	5120 Wh, EV-grade LiFePO4
	Expandable to	19 kWh with expansion batteries
	Cycle life	5000+ cycles
	Charge & discharge	Simultaneous, supported
AC output	Rated power	6000 W
	Coverage	High-consumption devices, extended use
	Output wave	Pure sine wave
Charging	AC charging	Ultra-fast up to 3200 W
	AC charge time	0-100% in 1 hr 40 mins
Mobility	Design	Rugged wheels + retractable pull-rod
	Weight	Approx. 54 kg — 43% lighter than comparable 5 kWh stations
General	Protection	BMS management, full protection suite
	Certification	CE, UN38.3 · full report on request
	Warranty	2 years



SunoraX SX-R20 Rugged Station

IP65 waterproof. Built for industrial duty.

2 kWh and 3200 W in a sealed rugged body — for job sites, outdoor and expedition work.

IP65

Waterproof and
dust-tight build

3200W

Rated AC output
industrial grade

1200W

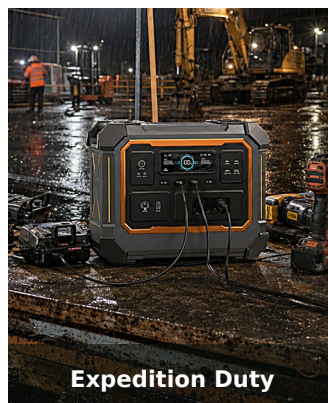
MPPT solar input,
full charge 2.5 hrs

IP65

Sealed against
water and dust



Rugged Build



Expedition Duty

2.5h

Full solar
charge time

SPECIFICATIONS



	Specification	SX-R20
Battery	Capacity	2048 Wh, EV-grade LiFePO4
	Cycle life	4000+ cycles
	Charge & discharge	Simultaneous, supported
AC output	Rated power	3200 W
	Output wave	Pure sine wave
Charging	AC charging	0-80% in 1 hr · 0-100% in 1.5 hrs
	Solar input	High MPPT, max 1200 W
	Solar charge time	Full charge in 2.5 hrs
Durability	Ingress protection	IP65 waterproof & dustproof
	Use cases	Outdoor industrial work, expedition, professional field power
General	Protection	BMS management, full protection suite
	Certification	CE, UN38.3 · full report on request
	Warranty	2 years



SunoraX SX-S08 Jump Starter

Sodium battery. Starts at -40 °C.

Non-flammable sodium chemistry with 1350 A peak — jump starter, power bank and light in one.

-40°C

Cold-weather
startup capability

1350A

Peak starting
current

4000+

Sodium cell
cycle life

1350A

Peak current
100C rate



3-in-1 Design



Pocket Power

80Wh

Sodium battery
capacity

SPECIFICATIONS



	Specification	SX-S08
Battery	Capacity	80 Wh sodium-ion
	Chemistry	Non-flammable, no-explosion safety
	Cycle life	4000+ charge / discharge cycles
	Discharge rate	High magnification 100C
Performance	Peak current	1350 A
	Cold start	Reliable startup at -40 °C
Functions	Jump starter	Emergency vehicle starting
	Power bank	Super-fast device charging
	Lighting	Built-in emergency light
General	Customization	Logo, color, socket options (OEM)
	Certification	CE, UN38.3 · full report on request
	Warranty	2 years



SunoraX SX-F200 / SX-F400 Solar Panels

Foldable, waterproof, 22.8% efficient.

Portable solar input for every SunoraX station — MC4 connection with 3 m cable.

22.8%

Cell conversion efficiency

IP68

Waterproof rating

MC4

Universal solar connection

200W

SX-F200
7 kg foldable



Foldable Design



Pairs with Stations

400W

SX-F400
17.5 kg foldable

SPECIFICATIONS



	Specification	SX-F200	SX-F400
Power	Rated power	200 W	400 W
	Efficiency	22.80%	22.80%
Electrical	Working voltage	21 V ±5%	42 V ±5%
	Working current	9.6 A ±5%	9.6 A ±5%
	Connection	MC4	MC4
	Cable length	3 m	3 m
Physical	Unfolded (mm)	536 × 2349 × 25	1048 × 2333 × 25
	Folded (mm)	536 × 618 × 54	1048 × 612 × 54
	Weight	7 kg	17.5 kg
General	Operating temp.	-10 °C ~ 65 °C	-10 °C ~ 65 °C
	Waterproof	IP68	IP68
	Warranty	2 years	2 years



Model Overview

MODEL	CAPACITY	OUTPUT
SX-P08	512 Wh	800 W
SX-P10	1004.8 Wh	300 W
SX-P10P	1024 Wh	1800 W
SX-P20	2048 Wh	2400 W
SX-P20P	2048 Wh	3200 W
SX-P50P	5120 Wh	3600 W
SX-E20	2048 Wh → 16 kWh	3200 W
SX-E20 Pro	2048 Wh → 16 kWh	3600 W
SX-E50 Pro	5120 Wh → 19 kWh	6000 W
SX-R20 IP65	2048 Wh	3200 W
SX-S08	80 Wh sodium	1350 A peak
SX-F200	Solar panel	200 W
SX-F400	Solar panel	400 W

SunoraX Energy · OEM / ODM Welcome
Balcony solar system SX-B20 available — see dedicated brochure.