



IRON-E

10 kW - 10 kWh



Energy anywhere, without noise or pollution



SUSTAINABLE

Zero CO2 emission in use

13 tons of CO2 avoided
after 5 years of use



ZERO POLLUTION

No noise pollution,
no smell,
no smoke

AC Production

Rated power 8 000 W

Maximum Power 10 000 W

Peak power 19 kW for 0.1 s ; 13 kW for 5 s ; 12 kW for 10 s ; 11 kW for 5min

Battery capacity 10 000 Wh

Battery service life (>80%) >2 500 cycles

AC output voltage 230 VAC ±5%

Frequency 50 Hz

Type of signal Pure sinus

UPS/Off-grid Transfer Time 300ms on 16A input
200ms on 32A input

Connections

AC output connections 1x single-phase sockets 16A
1x single-phase socket 32A

AC input connections 1x Power Twist NAC3 input (20A)
1x Input Neutrik 32A (NAC3MPHC)

DC input connections (solar) Anderson SBSX - 75A

Parallel connections 1x Parallelization socket (50A)
2x XLR female 3P socket
2x SUB-D9 female socket

Dry contact¹ 1x SpeakON 4P socket

Temperatures

Recharge temperature¹ 0 ~ 60 °C

Use temperature² -20 ~ 60 °C

Storage temperature 0 ~ 45 °C

Physical

Dimensions (H x L x P) 69 x 56 x 85,5 cm

Weight 120 kg

Powder-coated reinforced steel frame, all-terrain wheels, top lifting point, bumper protection, LCD screen, integrated tie-downs and handles.

Environnement

Certifications CE / Directive BT (2014/35/UE)
CEM (2014/30//UE)

Protection class IP54, IK08

Manufacturer's warranty 2 years

EMC Classification Class A / Pollution degree 3

Diversity Factor (RDF) 1

Max Altitude 2000m

Relative Humidity Max 100% at 25 °C without condensation

Grid recharging

AC power supply 170-280VAC, 50-60 Hz

Max charging power AC 16A socket output Slow recharge 3000W

Recharging time on 16A socket (if empty) < 4h

Max charging power AC 32A socket output Slow recharge 1000W

Recharging time on 32A socket (if empty) 10 h

Solar recharging

Max PV power 5500 W

MPP voltage range 90 VDC - 450 VDC

Integrated Maximum Power Point Tracking (MPPT)

Max current 20 A

Protections

AC Protection 1x earth leakage switch 30mA 63A

AC Circuit breaker 2x 16A circuit breaker
1x 32A circuit breaker

DC emergency stop 1x punch button

DC protection (battery) Fuse / BMS

DC protection (PV) Fuse / 20A DC circuit breaker

Neutral earthing system TN-S

Use times

500 W 20 h

1000 W 10 h

2000 W 5 h

4000 W 2 h 30

Options

Cable 32A : P17 to Neutrik 32A

Parallelization box - (2 or 6) up to 60 kWh-48Kw

EKLA Kit - Mobile solar panels

Blaze KIT (1800/2700/4000 Wc) - Transportable solar panels

EV Adapter Kit - Electric vehicle recharging

Included

Recharge cable 16A

Earth rod

¹ Automatic starting of a gas-powered generator

² Device temperature displayed on the control screen



contact@pessenergy.com - 04 91 58 86 74

PESS
ENERGY