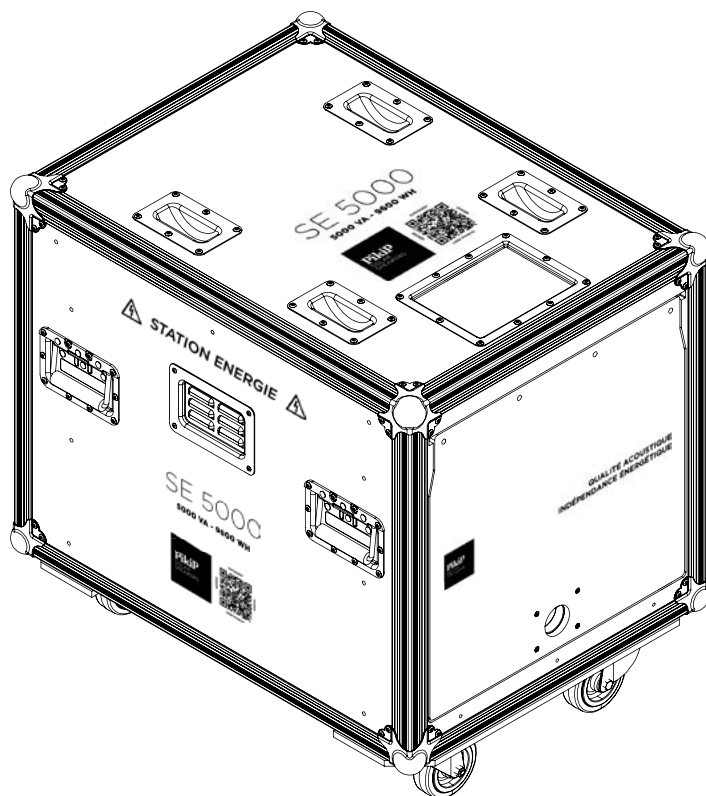


ENERGY STATION **SE 5000**

DATASHEET



SE5000

Energy Station



**SOLAR
CHARGING**



SILENT



MOBILE



**BLUETOOTH
WIFI**



**ENERGY
SUPPLY**



THREE-PHASE



**LiFe PO4
BATTERY**



**EXTREME
CONDITIONS**

BATTERY-POWERED GENERATOR

High AC output available anywhere.

EVENT-READY DESIGN

Rack format with shock-absorbing mounts.

GRID SWITCHING

Automated feed-in and draw from the grid.

POWER COMBINING

Up to 32A three-phase available.

FAST CHARGING

Rechargeable via solar or mains.

DC POWER OUTPUT

1500 W at 48V DC

For your direct current devices.

ADVANCED MONITORING

Monitoring on the flight case and remotely via smartphone (Bluetooth and wifi).

ELECTRICAL SPECIFICATIONS

NOMINAL CURRENT	16 A
NOMINAL POWER	5000 VA
PEAK POWER	9000 Wc
STORAGE	9600 Wh
FUNCTION	Triphasé / ESS / UPS / Power Assist

CONNECTOR

AC INPUT	1x P17-32 A connector (Fast Charge)
AC OUTPUT	3x PC16 connector 1x P17-32 A connector
DC INPUT [SOLAR]	1x Amphenol 45 A connector
DC OUTPUT	1x Anderson 50 A connector
COMMUNICATION & CONTROL	1x Powercon OUT connector for remote emergency stop 4x RJ45 connector

AUTONOMY (NO SUN) 500 W	20 h 
AUTONOMY (NO SUN) 2000 W	5 h 
AUTONOMY (NO SUN) 5000 W	2H 

- VICTRON inverter, regulator, and monitoring system - made in Europe / TÜV certified / ISO 9001
- TNS neutral grounding system
- 30mA 63A differential protection / 16A and 32A circuit breakers / main disconnect switch for all electrical components / emergency stop / remote emergency stop
- New-generation LiFePO4 batteries with secure BMS / **operating range: -20°C to +60°C**
- **32A THREE-PHASE function (3P+N+T)** using 3 SE units connected via RJ45.
- **ESS (Energy Storage System) function** > automatically switches between grid feed-in and draw depending on battery charge level or power demand.
- **UPS (Uninterruptible Power Supply) function** > instantly switches to battery power in case of a grid failure.
- **Power Assist function** > Deliver 32A from a 16A source! Prevents overloading a limited grid source by supplementing power from the batteries.
- Detailed monitoring via web portal (4G) / touchscreen / smartphone connection (Bluetooth) / RJ45 connection / audible alarm / real-time autonomy and consumption data (on the flight case or remotely).

RECHARGE

- Photovoltaic input up to 2600 Wp
- ANDERSON 50 A inputs for 48 V solar charging
- P17 32 A inputs for mains charging / adapter to PC16
- Amphenol 45 A / MC4 solar input
- Long Life Battery Algorithm (Bulk - Absorption - Floating)

SOLAR	2600 Wc / 55 Vo - 150 Vco / Imax 45 A
SOLAR CHARGING TIME (10 TO 100%)*	4 h
GRID CHARGING TIME (REGULAR 13A)	4 h
GRID CHARGING TIME (FAST 32A VIA P17) SUR P17 (INDUSTRIAL SOCKET OR ELECTRIC VEHICLE CHARGER)	2h

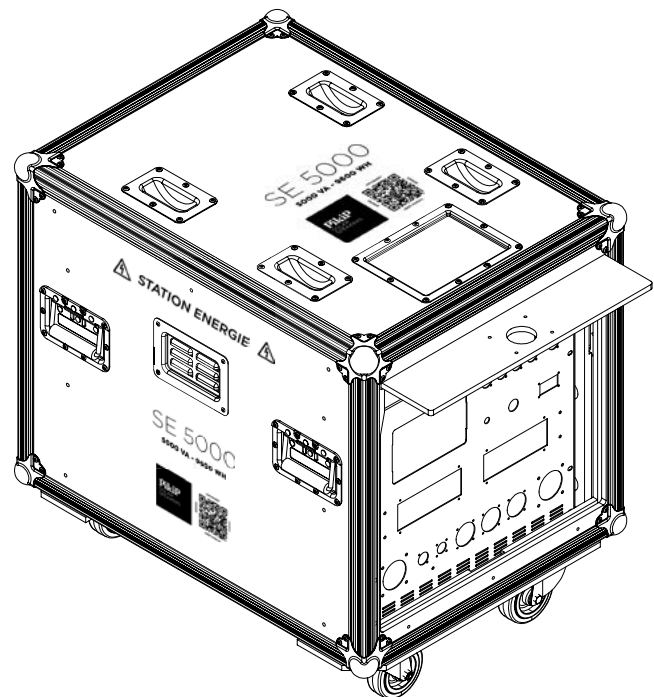
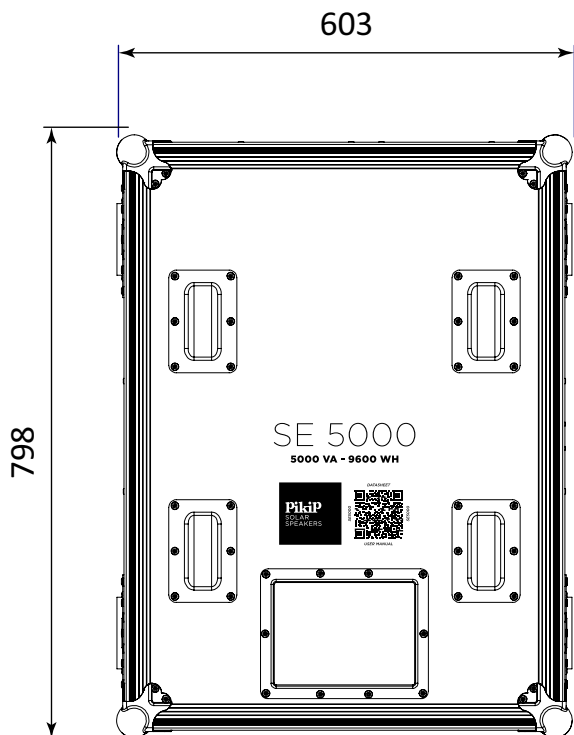
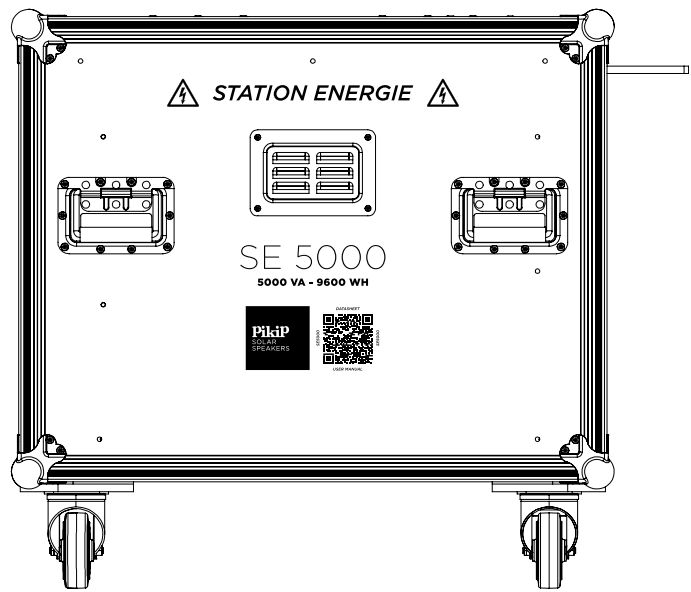
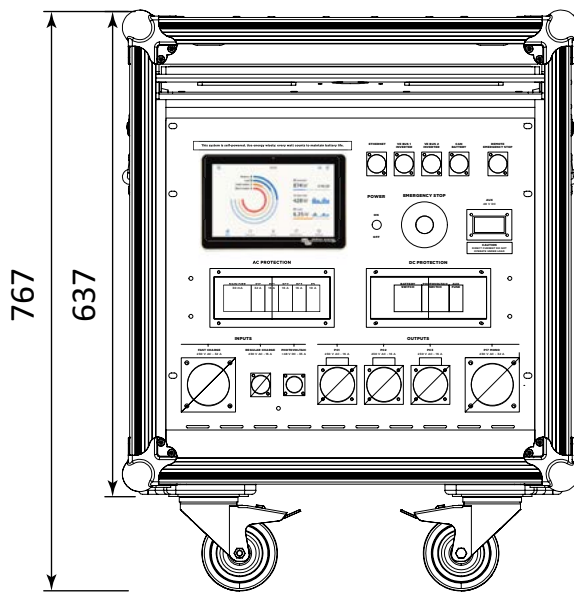
*With 2 solar platforms

STRUCTURE

- Event-grade design. 19" rack mounted on shock-absorbing silent blocks (ANTI-SHOCK & NOISE-REDUCING)
- Standard 14U size
- 4 wheels (100 mm), including 2 with brakes
- Dual handles / reinforced corners / ventilation grille / lockable sliding cover

DIMENSIONS (LXPXH)mm 603 x 798x767

WEIGHT 100 kg



THREE-PHASE

- Connection of Energy Stations via RJ45 link + junction box.

- Three-phase feature :

NOMINAL VOLTAGE	400 V
NOMINAL CURRENT	17 A
NOMINAL POWER	12 000 W

