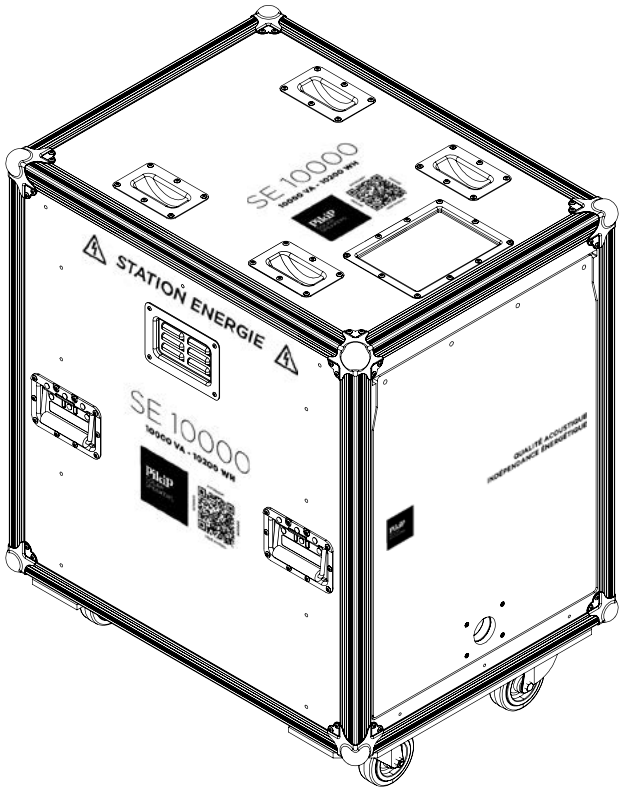
Pikip
SOLAR
SPEAKERS

QUALITÉ ACOUSTIQUE.
INDÉPENDANCE ÉNERGÉTIQUE.

ENERGY STATION **SE 10000**

DATASHEET



SE10000

Energy Station

SOLAR CHARGING

SILENT

MOBILE

BLUETOOTH WIFI

ENERGY SUPPLY

THREE-PHASE

LiFe PO4 BATTERY

EXTREME CONDITIONS
+60°C
-20°C

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	32 A
NOMINAL POWER	10000 VA
PEAK POWER	18000 Wc
STORAGE	10200 Wh
FUNCTION	Triphase / 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 2x 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).

CHARGE

• 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)

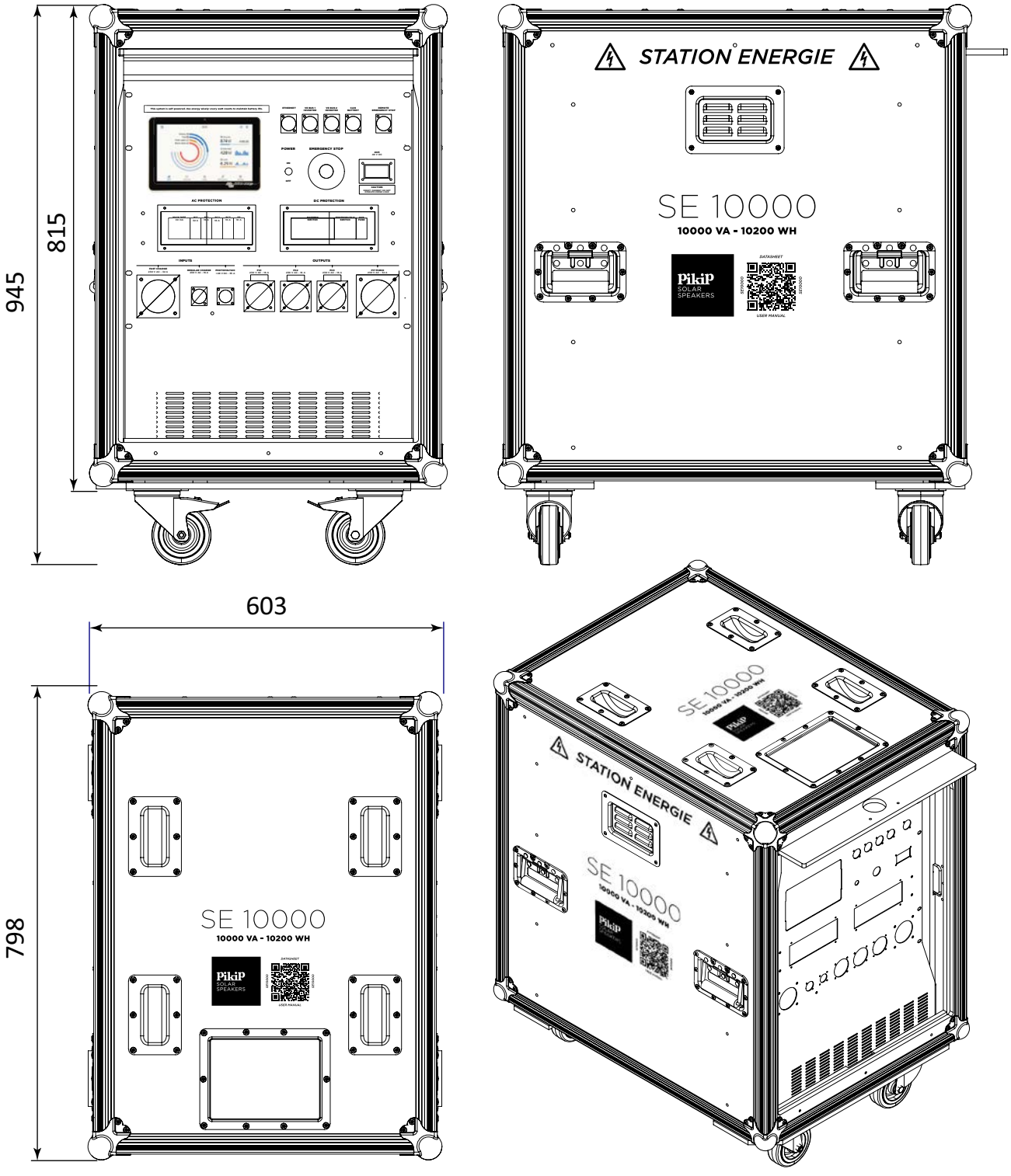
SOLAR	2600 Wc / 55 Vo - 150 Vco / Imax 45 A
SOLAR CHARGING TIME (10 TO 100%)*	4 h
GRID CHARGING TIME (REGULAR 13A)	4 h
GRID CHARGING TIME (FAST 32A VIA P17) SUR P17 (INDUSTRIAL SOCKET OR ELECTRIC VEHICLE CHARGER)	2h

***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 798 X 945
POIDS	140 kg



THREE-PHASE

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

• Three-phase feature :

NOMINAL VOLTAGE	400 V
NOMINAL CURRENT	32 A
NOMINAL POWER	22 200 W