



VINCORION®



SOLUTIONS. TAILORED.



DEFENSE

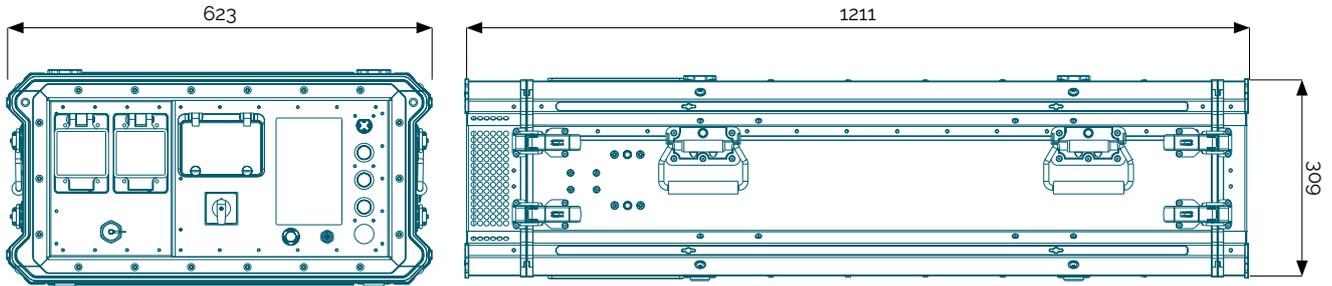
PPM MODULAR^V – PORTABLE POWER MANAGEMENT MODULES

PPM modular^v combines flexibility and scalability into a 19-inch rack design, built to allow easy integration of electrical generation sources for current and future power needs.

The plug and play modules showcase smart energy management with an intuitive user interface packaged in a ruggedized case for maximum durability. The unified and cuboid housing in combination with the mechanical locking system allows for a safe and efficient use of space during transport, storage, and operational use. PPM modular^v enables integration of renewables, gensets, or a commercial

grid power to allow maximum flexibility for a broad range of mission profiles. Energy storage modules expand applications to UPS, peak shaving, and load leveling systems, e.g. for unstable local grids. Energy storage scales easily and can be adapted for changing tactical conditions. Storage modules provide peak shaving capability up to 11 kW. Loads up to 8 kW can be supplied permanently. And the transport, setup and operation of the entire system can be done without heavy machinery or special qualification.

TECHNICAL SPECIFICATIONS



All dimensions in millimeter (mm)

Platform Specifications

Environmental

Operating temperatures	-32 °C to +49 °C
Storage temperatures	-46 °C to +71 °C
Climate zones	A1 to C1
Vibration and shock	According to MIL STD 810 (Road, Rail, Air, Ship transportation)
Protection class	Up to IP65
EMC	According to MIL STD 461
Interfaces and Controls	
Data interfaces	CAN, Ethernet
Internal power link	400 V DC
Controls	Digital touch display and push buttons

Module Specifications

Power Output Module (1. Generation)

Output power continuous	10 kVA (8 kW)	
Output power peak	14 kVA for 5 sec	
Output voltage	EU: 230 V AC / 400 V AC	US: 120 V AC / 240 V AC
Output frequency	50 Hz	60 Hz
Sockets	1x Type F and 1x 16 A CEE	1x NEMA L5-15 and 1x NEMA L6-30
Total module weight	< 50 kg	

Storage Modules

Energy storage types	Lithium-ion
Energy storage size	4000 Wh
Continuous discharge power	5400 W
Minimum full charging cycles	> 5000
Sockets	NATO Start Connector
Total module weight	< 100 kg

Grid Input Module

Input voltage range	110–410 V AC (1- or 3-phase)
Input frequency range	45–65 Hz
Input power	100–10,000 W (adjustable to power source)
Input interface	Male Inlet for US: NEMA L6-30 or NEMA L5-15 EU: Type F or 16 A CEE
Total module weight	< 50 kg
Additional features	Power factor correction; galvanic isolation

Other specifications and options are available on request.



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