



The Navitas Frontierion™ Power System is a configurable, rugged, man portable remote power system with integrated photo-voltaic generation, energy storage, built in battery module and power electronics. It is a flexible platform allowing factory configurable levels of PV input power and energy storage capacity (lead acid or lithium) to be converted to stable and secure 115/220V AC, 12V DC, and 24V DC power output. Each power input and output can be independently switched into & out of the system. The system also maintains a high level of safety by incorporating multiple layers of protection to include short circuit protection, over-current protection, and externally resettable protection which is accessed from the outside of the box. LED amp meters provided for monitoring performance.

PRIMARY APPLICATIONS



MILITARY OUTPOSTS



REMOTE SURVEILLANCE & SENSORS



REMOTE CONSTRUCTION
OIL/ GAS/ WATER/ SITES

	Navitas Lithium 6T - 24V
Enclosure Type	Ruggedized high performance HPX transportable case with extendable handle and wheels. iM 2875 Pelican Storm Case
Enclosure External Dimensions	24.9" x 23.7" x 13.1"
Weight	100 lbs.
Outdoor Rating	NEMA 3R (During Operation)
Operating Temperature	-20C to 60C
Storage and Transportation Temperature	-54C to 71C
Voltage @ 100% SOC	27 V
Battery Chemistry	LiFePo4
Battery Capacity	60 Ah
Total Battery Energy	1500 Wh
Solar Charging Source	Cannon Receptacle 3 Pins
Solar Charging Rating	30V @ 0-16A, 0-480W
AC Charging Source (On Board)	M19 Input Plug
AC Charging Rating	120 VAC @ 2.7A + 0.4A, 280-370W
AC Output Source	Duplex Receptacle
AC Output Rating	120VAC @ 12.5A, 1500W, 60 Hz Pure Sine Wave
24V DC Output Source	NATO Receptacle
24V DC Output Rating	24V @ 15A, 360W, Regulated
12V DC Output Source	Cigarette Lighter Adapter
12V DC Output Rating	12V @ 8A, 96W, Regulated
5V DC Output Source	USB A Receptacle
5V DC Output Rating	5V @ 1.5 A, 7.5W
Battery Capacity Indicator	LED Gauge Indicator for SOC Rating
Cycle Life @ 80% DoD to 80% DoD of Original Capacity	3000 Cycles
Cycle Life @ 50% DoD to 80% DoD of Original Capacity	10000 Cycles
Self-Discharge per Month	< 2%