



MSP 500kW

POWER DRAW STORAGE SYSTEM

Engineered to provide years of reliable service in the most demanding applications.

MSP's 500 kW inverter for distributed generation will enable you to deploy scalable power conversion systems with less effort and in less time. Integrating battery energy storage systems has never been easier or more compact. With world-class power density and an easy to install design, your energy storage system will be up and running in no time.

Successfully deployed worldwide the Power Draw is designed from the ground up with simplicity, reliability, and scalability in mind. The liquid-cooled inverter includes an integrated AC contactor, AC breaker, DC contactor, and pre-charge circuit, enabling simple installation. The Power Draw provides reliable, abundant power in a small footprint for years of reliable service.

- THD <2%
- Up to 1250 VDC
- Peak efficiency >98%
- 50 & 60 Hz operation
- Grid-tie and off-grid
- Parallel UPS backup
- Ask about parallel UPS operation
- Fully bidirectional



500kW Bidirectional power Energy

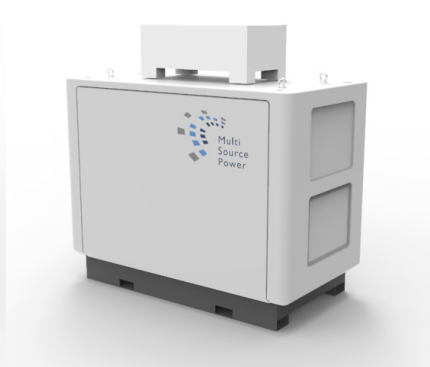
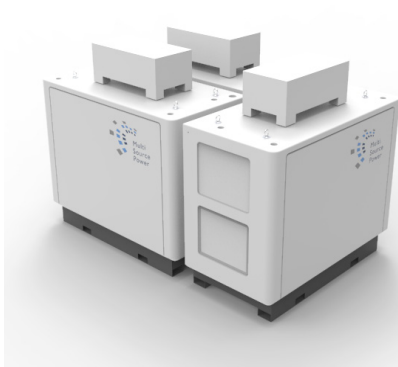
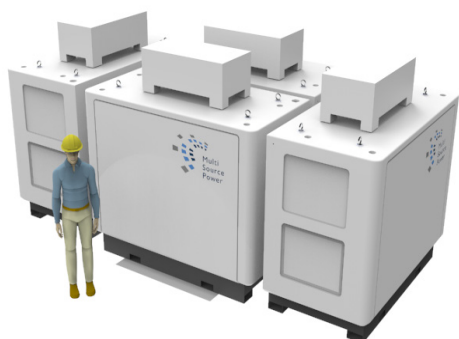
World Class Power Density

Real and Reactive power Control

Designed for quick & easy installation

Electrical Specifications		
	MSP 500kW Power Draw	
	480 VRMS	600 VRMS
Frequency range	50 - 60 Hz (field settable)	
AC voltage range	208 - 480 VRMS	600 VRMS
Continuous output power @ 480 VRMS	+/- 500 kVA	+/- 500 kVA
AC port configuration	3-wire (3P3W)	
Control modes	Voltage command (island), PQ, current command, UPS mode	
Current harmonics	IEEE 1547 compliant, <2% TDDi	
Continuous AC current	+/- 602 ARMS	
Peak DC to AC efficiency	98.6%	
DC voltage range	Up to 1000 VDC	Up to 1250 VDC
Environmental Specifications		
Ambient temperature (operation)	-20°C to +50°C	
Ambient temperature (storage)	-20°C to +50°C	
Max elevation	2,000m [6,500 ft]	
Cooling	liquid	
Permissible coolant	25-50% EGW or PGW corrosion inhibitors per ASTM D6210	

Modular Housing Options available



The POWER DRAW integrates with:

- AC Generators
- Renewable inputs
- Variable battery suppliers
- Multiple battery chemistries



The Power Draw is designed for optimised use in both MSP systems and existing systems.

Registered Office: MSP Technologies Ltd, Unit 56, Elmsfield Park, Holme, Carnforth, Cumbria, LA6 1RJ

Dealer/Distributor

