

POWER CORE FLEXI

Intergrating solar & energy storage has never been easier!

The Power Core Flexi is our groundbreaking all in one solar and battery inverter.

Allowing you to easily combine both solar and energy storage in one simple plug and play system. Capable of being Paralleled allowing MW power levels to be achieved.

Compatible with most types of energy storage.

Reduced infrastructure & component costs.

3 DC ports which gives unrivalled flexibility when sizing your solar & storage.

UPS function offering protection to your facility.

Both Off & On grid compatible.

Peak efficiency >97%

Indoor and outdoor housing

Solar MPPT



Flexible, efficient & cost effective Inverters

Data Sheet
175 - 500kW Models

Model	MSPC 175	MSPC 200	MSPC 250	MSPC 500
Peak (Continuous) output (kW)	175	200	250	500
Inverter	MSPC-175	MSPC-200	MSPC-250	MSPC- 500
Frequency Range	50/60hz	50/60hz	50/60hz	50/60hz
AC Voltage range	208 to 690 VRMS	208 to 690 VRMS	208 to 480 VRMS	208 to 480 VRMS
Max Continuous AC current	285 ARMS	350 ARMS	350 ARMS	700 ARMS

Battery & Solar Specifications (solar, battery or any other DC Power source per Port)

Port A Continuous current	180 ADC	225 ADC	225 ADC	550 ADC
Port A Voltage range	0 to 1100 VDC	0 to 800 VDC	0 to 800 VDC	0 to 800VDC
Port B Continuous current	180 ADC	225 ADC	225 ADC	550 ADC
Port B Voltage range	0 to 1100 VDC	0 to 800 VDC	0 to 800 VDC	0 to 880VDC
Port C Continuous current	180 ADC	225 ADC	225 ADC	550 ADC
Port C Voltage range	0 to 1100 VDC	0 to 800 VDC	0 to 800 VDC	0 to 800VDC
Peak efficiency	>96%	>96%	>97%	>97%
Required control power	24VDC [18V - 28V range, 24W]			

Current Harmonics IEEE 1547 Compliant, <2% THDi at rated power.

Control Modes

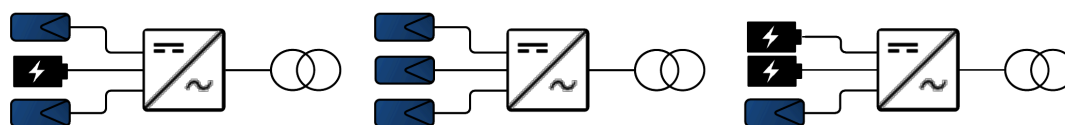
Voltage Command (island)	✓	✓	✓	✓
Current command (grid connected)	✓	✓	✓	✓
Anti Islanding	✓	✓	✓	✓
UPS Mode	✓	✓	✓	✓

Comms

General Specification

Cooling	Air	Liquid	Liquid	Liquid
Weight	TBC	TBC	TBC	TBC
Dimensions	950x380x693	990x390x710	990x390x710	1400x1200x620

fig.1 Possible Solar & Storage configurations



The POWER CORE FLEXI integrates with:

- Multi source POWER CHARGER DC
- Multi source POWER BANK
- AC Generators
- Renewable inputs
- Variable battery suppliers
- Multiple battery chemistries

The Power Core Flexi is designed for optimised use in both Multi Source POWER systems and existing systems.

Dealer/Distributor