

MEtaPower

Scalable String Inverter

Complete solution; Cost Effective; Reliable Power Generation

The MEtaPower Inverter is modular and scalable, with customised installation options to suit the specific requirements of the client's site. The inverter design provides a unique balance of central inverter and string inverter attributes. The modular design provides for solar MPPT tracking, whilst making it easier and less costly to transport, install and maintain.

Key Features of MEtaPower Inverters

- Night-time Power Factor correction.
- Customised solution tailored to the site requirements.
- Modularity decreases downtime and loss of power.
- Configurable for easy upscale.
- High Power Density.
- Fault Tolerance Protection.
- Ethernet and Wi-Fi communication options.
- Easy configuration and commissioning with mobile application.
- Remote monitoring.

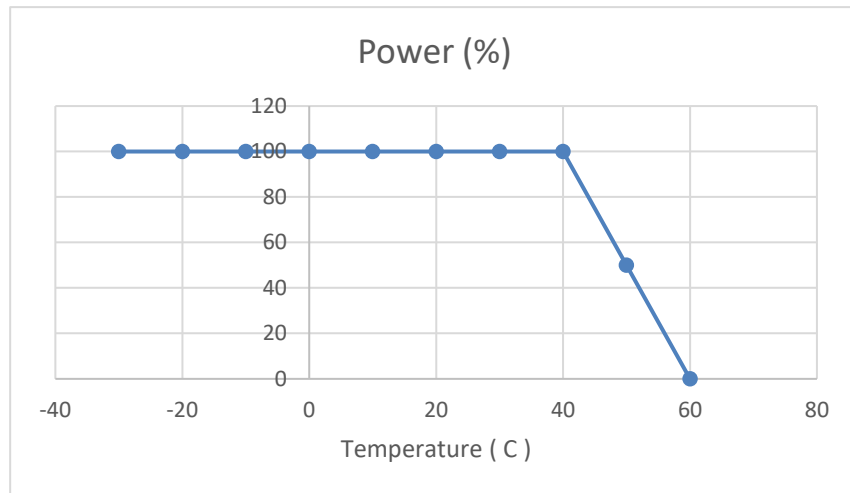


Specification

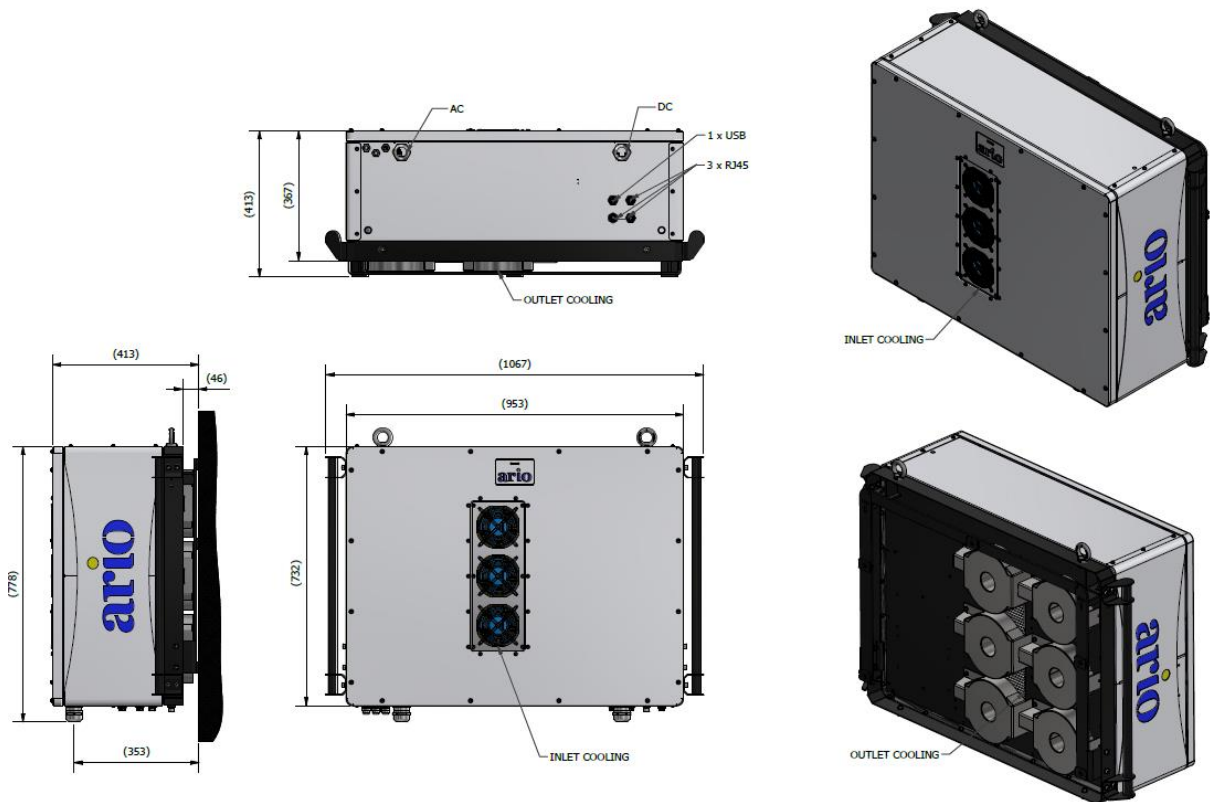
Datasheet – Inverter

DC Input data			
Operating range (MPPT)	580V - 1100V	790V – 1500V	990V – 1500V
Max. discharging / charging current	205A		
Max. short circuit current	305A		
Number of DC connections	1		
AC Input / Output data			
Rated output	115 kVA at 400Vac	160 kVA at 550Vac	200 kVA at 690Vac
Line voltage	380V – 690Vac (3/PEN)		
Rate frequency (range)	50/60 Hz (42 - 68 Hz)		
Rated current	3 x 170A		
cos phi	0.8 ind. - 0.8 cap		
Grid connected current THD	<3.5%		
General data			
Max. efficiency	98.40% at 400Vac		
European efficiency	97.20%		
CEC efficiency	97.30%		
Parallel operation	Microgrid/Voltage and Frequency Droop control		
Circuitry topology	Multilevel		
Protective Functions	Overload protection; Overcurrent protection; Anti-islanding; Under/overvoltage; Over/under frequency		
Mechanical data			
Display	LEDs		
Interfaces	RS485 [Modbus RTU] Ethernet 100BaseTX [Modbus TCP/IP] CAN		
Fault signalling relay	potential-free NOC max. 30V/1A		
Ambient temperature	Operating range: -20°C to +60°C		
Humidity	95% Non-condensing		
Min. distance from coast	2000 m		
Cooling	temperature controlled fan		
Protection class	IP 66		
Noise emissions	<75dBA @ 1m		
H x W x D	(953x 732 x 413) mm		
Weight	151kg		
Certifications			
Safety	IEC 62109 -1/-2, EN 61000-6-2/-4		
Grid code connection	RPP 3.0, NRS 097		

The MEtaPower Inverters operate at full capacity over a wide temperature range.



Physical Dimensions



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