Bravo 25 - 48/230

The most versatile modular inverter is compatible with the Inview controller range.

Telecom | Datacom | Mass transport | Industry | Power Utilities | Renewable

AC In 230 Vac

DC In 48 Vdc

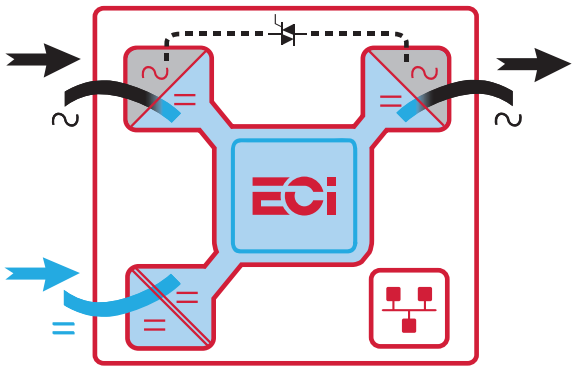
AC Out 230 Vac

Power 3 kVA 2.4 kW

up to 2.7 MVA

Description

Bravo 25 is a compact and scalable **modular inverter** providing a pure sine wave at AC output. It provides an excellent **AC backup** solution in conjunction with a DC Power system. It uses cutting edge technology to provide the most **energy-efficient** in a **compact size**.



The ECI technology **eliminates all single points of failure** with full scalability; up to 32 modules in parallel and high efficiency of up to **96% in AC to AC conversion**, and above **93.7% in DC/AC conversion**, hence reducing operating costs. We can build the systems up to **2.7 MVA.**

Applications

All business critical applications and all types of AC loads. The design is modular and scalable with hot- swappable inverter modules which ensures **low Mean Time to Repair** (MTTR), reduction in service costs and meets the changing needs for future expansion.

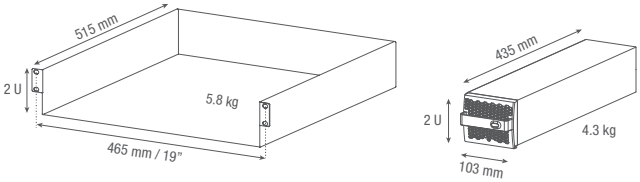
Main Features

- Extra AC input for increased efficiency on double conversion
- Wide AC input range up to 293 Vac L-N
- Up to 12 kVA in 2RU - 19 inches
- Up to 2.7 MVA by using extra syncrhonization device
- 1P or 3P infrastructure
- Compatible with Inview S, X and GW

Illustrations are non-binding and may include customized fittings.

Bravo 25 - 48/230

General	
Part Number	T621D30201
Cooling / Audible noise	Fan forced cooling / <60 dBA @1meter (100% load at 25°C)
MTBF	240 000 hrs (MIL-217-F) at 30°C ambient and 80% load
Dielectric strength DC/AC	2100 Vdc
RoHS / Material (casing)	Compliant / Nickel-Zinc coated steel
Operating T° / Relative Humidity (RH) non-condensing	Tested according ETS300-019-2-3 Class 3.1 -20°C to 65°C, power de-rating from 40°C to 65°C / Max RH 95% for 96 hours per year
Storage T° / Relative Humidity (RH) non-condensing	Tested according ETS300-019-2-1 Class 1.2 -40°C to 70°C / Max RH 95% for 96 hours per year
Public transport T°/Relative Humidity (RH) non-condensing	Tested according ETS300-019-2-2 Class 3.1 -40°C to 70°C / Max RH 95% for 96 hours per year
Vibration	GR63 office vibration 0 to 100 hz-0.1 g / transport vibration 5-100 Hz 0.5 g 100 to 500 hz-1.5 g / Drop test
Altitude above sea without de-rating of power	< 1500 m / derating > 1500 m – 0.8 % per 100 m / max 4000 m
Power	
AC Input Data	
Nominal voltage / Current	230 Vac / 10.9 A
Voltage range	150 - 293 Vac (De-rating from 195 to 150 Vac)
Brownout	1600 W @ 150 Vac / 2400 W @ 190 Vac linear decreasing
Power factor / THD	> 0.99 / < 3%
Frequency (Synchronization range)	50 Hz (47 - 53 Hz) or 60 Hz (57 - 63 Hz)
DC Input Data	
Nominal voltage (range)	48 Vdc (32 - 63 Vdc)[1]
Nominal current (at 48 Vdc and 2400 W output)	53.4 A
Maximum input current (for 15 seconds) / voltage ripple	66.8 A / < 10 mV RMS
AC Output Data	
Efficiency AC to AC (EPC) / DC to AC	> 96% / > 93.7%
Nominal voltage[2] (Adjustable)	230 Vac (200 - 240 Vac)
Frequency / frequency accuracy	50 or 60 Hz / 0.03%
Nominal Output power (VA) / (W)	3 kVA / 2.4 kW
Short time overload capacity	125% (15 seconds)
Admissible load power factor	Full power rating from 0 inductive to 0 capacitive
Total harmonic distortion (resistive load)	< 3%
Load impact recovery time (10% - 90%)	≤ 0.4 ms
Nominal current	13 A @ 230 Vac
Crest factor at nominal power	3 : 1 for load P.F. ≤ 0.7
Short circuit clear up capacity at AC input / On battery	109 A / 34 Arms for 20 ms
Short circuit current after > 20 ms	22.5 A for 15 seconds
AC output voltage stability	±1% from 10% to 100% load
Static / Dynamic voltage regulation	±1% between 10% and 100% load / <5% from 0 to 100% to 0 load impact
In Transfer Performance	
Max. Voltage interruption / total transient voltage duration (max)	0 sec / 0 sec
Signaling & Supervision	
Display	Synoptic LEDs on module and touchscreen with Inview S and Inview X
Supervision / Part number	Inview types: Inview GW DIN - T602004000, Inview S - T602004100 & Inview X - T602004200
Remote ON/OFF	On rear terminal of the shelf and via Inview interface
Safety & EMC	
Electrical Safety	IEC 62040-1 / EN62040-1 Edition 2017
EMC	EN 61000-4-2 / EN 61000-4-3 / EN 61000-4-4 / EN 61000-4-5 / EN 61000-4-6 / EN 61000-4-8 ETSI EN 300386 v1.9.1



1 Permanent 2400 W / de-rating apply based on internal heatsink T°
2 Operation within lower voltage networks leads to de-rating of power performances.

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LE FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL ET LA WALLONIE INVESTISSENT DANS VOTRE AVENIR