





The most versatile modular inverter is compatible with the Inview controller range. This solution offers many new features within a unique module!

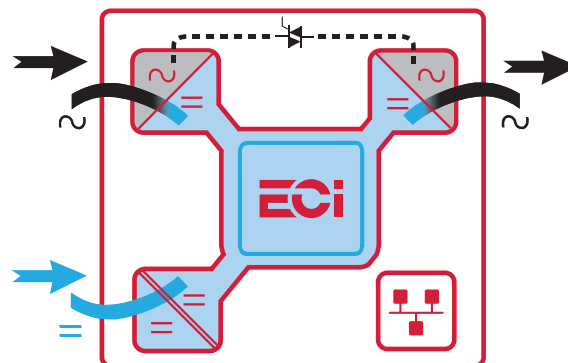
 Telecom
  Datacom
  Mass transport
  Industry
  Power Utilities
  Renewable



* 230 Vac
** 120 Vac

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 **94.5% 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 synchronization device
- 1P or 3P infrastructure
- Compatible with Inview S, X and GW

Illustrations are non-binding and may include customized fittings.

Bravo 25 - 380 Vdc

General

Part Number	T621D70201
Cooling / Audible noise	Fan forced cooling / <65db @1meter
MTBF	240 000 hrs (MIL-217-F) at 30°C ambient and 80% load
Dielectric strength DC/AC	2100 Vdc
RoHS / Material (casing)	Compliant / Aluzinc 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	120 Vac /13 A and 230 Vac /11.7 A
Voltage range	90 - 295 Vac (De-rating in 120 Vac to 1.5 kW)
Brownout	1500 VA / 1500 W @120 VAC
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)	336 Vdc (200 - 430 Vdc) ¹
Nominal current at 336 Vdc and 2500 W / 1500 W	8 A / 5 A
Maximum input current (for 15 seconds) / voltage ripple	9.9 A / < 250 mV RMS

AC Output Data

Efficiency AC to AC (EPC) / DC to AC	> 96% / > 94.5%
Nominal voltage ² (User selectable)	120 / 208 / 220 / 230 / 240 Vac
Frequency / frequency accuracy	50 or 60 Hz / 0.03%
Nominal Output power	3000 VA / 2500 W @ 230 Vac, 1500 VA / 1500 W @ 120 Vac
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 @ 120 Vac and @ 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 Arms for 20 ms / 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

In Transfer Performance

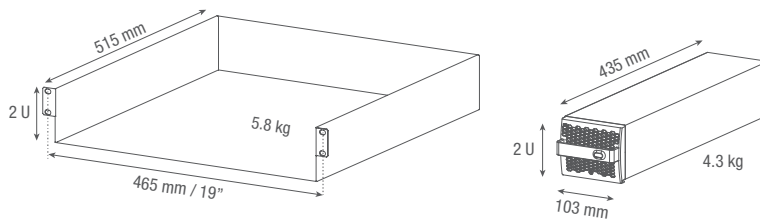
Max. Voltage interruption / total transient voltage duration (max)	0 sec / 0 sec
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Signaling & Supervision

Display	Synoptic LEDs on module and touchscreen with Inview S and Inview X
Supervision / Part number	Inview ranges: Inview X - T602004200, Inview S - T302004100 & Inview GW - T602004000
Remote on / off	On rear terminal of the shelf through Inview

Safety & EMC

Electrical Safety	EN60950-EN62040-1-UL1778-IEC62109/1-IEC62109/2
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 / FCCpart 15 class A



¹ De-rating below 270 Vdc

² Operation within lower voltage networks leads to de-rating of power performances.

Bravo 25 - 380 Vdc - Datasheet v1.1 Specifications can change without notice. New data will be updated on our website: www.cet-power.com.

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