

Modular Inverters Bravo ECI 380 Vdc 3kVA

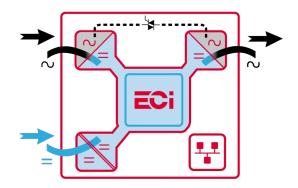


The most efficient modular inverter with an extra AC input to prevent unnecessary watt loss!



Description

BRAVO is a compact and scalable modular inverter providing a pure sine wave AC supply. In conjunction with a DC Power system, it provides an excellent AC backup solution. It uses the latest inverter technology, providing superior energy efficiency 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.

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

- High efficiency (DC to AC >94.5%)
- · Compact design
- Dual input sources (AC & DC) with wide AC input range 150 Vac to 265 Vac
- . Transfer time reduced to 0
- •• Up to 12 kVA in 2 U

Illustrations are non-binding and may include customized fittings.

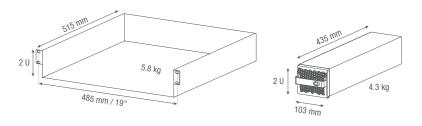
Bravo ECI 380 VDC



General	
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
Safety	ETSI EN 300386 v1.9.1 EN62040-1
Cooling	Forced
MTBF	240 000 hrs (MIL-217IF)
	96% / >94.5%
Efficiency (Typical): Enhanced power conversion / on line Dielectric strength DC/AC	2100 Vdc
RoHS	Compliant
Environment	ETSI EN 300019 / ETSI EN 300132.2
Altitude above sea without de-rating of power	< 1500 m / derating > 1500 m – 0.8 % per 100 m / max 4000 m -20 to 40° C
Ambient temperature	derating from 40°C to 65°C
Storage temperature / relative humidity	-40 to 70°C / 95%, non-condensing
Material (casing)	Zinc coated steel
Power	
AC Output Power	
Nominal Output power (VA) / (W)	3000 VA / 2500 W
Short time overload capacity	125% (15 seconds)
Admissible load power factor	Full power rating from 0 inductive to 0 capacitive
DC Input Specifications	
DC voltage: Nominal / range	336 V / 200 V - 400 V*
Nominal input current (at 336 Vdc nominal and 2500 W power)	7.9 A
Maximum input current (for 15 seconds) / voltage ripple	9.9 A / < 250 mV RMS
AC Input Specifications	
Nominal voltage (AC)	120 Vac / 208 Vac / 230 Vac / 277 Vac Line to Neutral
Voltage range (AC)	108 - 290 Vac permament (295 Vac 60 ms)
Brownout	1500 VA / 1500 W @120 VAC, 2500 VA / 2500 W @190 VAC, 3000 VA / 2500 W from 230 VAC to 277 Vac
Brownout Power factor @ Nominal Power	
	277 Vac
Power factor @ Nominal Power	277 Vac > 99%
Power factor @ Nominal Power Frequency range (selectable) / synchronization range	277 Vac > 99%
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Power factor @ Nominal Power Frequency range (selectable) / synchronization range AC Output Specifications Nominal voltage (AC**) Frequency / frequency accuracy	277 Vac > 99% 50 Hz (range 47 – 53 Hz) / 60 Hz (range 57 – 63 Hz) 120 Vac / 208 Vac / 230 Vac / 277 Vac 50 or 60 Hz / 0.03%
Power factor @ Nominal Power Frequency range (selectable) / synchronization range AC Output Specifications Nominal voltage (AC**) Frequency / frequency accuracy Total harmonic distortion (resistive load)	277 Vac > 99% 50 Hz (range 47 – 53 Hz) / 60 Hz (range 57 – 63 Hz) 120 Vac / 208 Vac / 230 Vac / 277 Vac 50 or 60 Hz / 0.03% < 3%
Power factor @ Nominal Power Frequency range (selectable) / synchronization range AC Output Specifications Nominal voltage (AC**) Frequency / frequency accuracy Total harmonic distortion (resistive load) Load impact recovery time (10% - 90%)	277 Vac > 99% 50 Hz (range 47 – 53 Hz) / 60 Hz (range 57 – 63 Hz) 120 Vac / 208 Vac / 230 Vac / 277 Vac 50 or 60 Hz / 0.03% < 3% <= 0.4 ms
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^{*} Derating between 200 to 260 VDC.

^{**} Operation within lower voltage networks leads to de-rating of power performances.



Bravo ECI 380 Vdc 230 Vac – Datasheet v1.2 Specifications can change without notice. New data will be updated on our website.

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