

nxtension

12, 24, 48VDC, 1000-1500VA Inverter



Our Range of Professional DC to AC pure sine wave Inverters, offer you superior performance for a wide range of applications. The Nxtension Inverter is most suitable for starting up engines and sensitive equipment like displays, test equipment and battery chargers. The strong engineering work and reliable design will make the Nxtension Inverter your favourite choice anytime. The Nxtension Inverter are designed for a long “working life” and are protected against short circuits, overloading and high temperatures.

- Pure Sine Wave
- Functional design
- High surge power output.
- Protection against high/low battery voltage, high temperature, overload and short circuit
- Automatic standby function to reduce no-load power consumption
- Variable speed fan for silent operation
- IEC worldwide accepted AC outlet (IEC320 plug included)
- 1,5 m. DC connection cable included.
- CE and e-mark certified
- 24 month warranty
- Design for Marine applications, transport, small industry and remote home

The newest available technology brings you an extremely efficient operation with a very low – “no-load” consumption. The Automatic standby function (ASB), it’s a standard in all Nxtension Inverters. It will even reduce the no-load consumption with an extra 70%



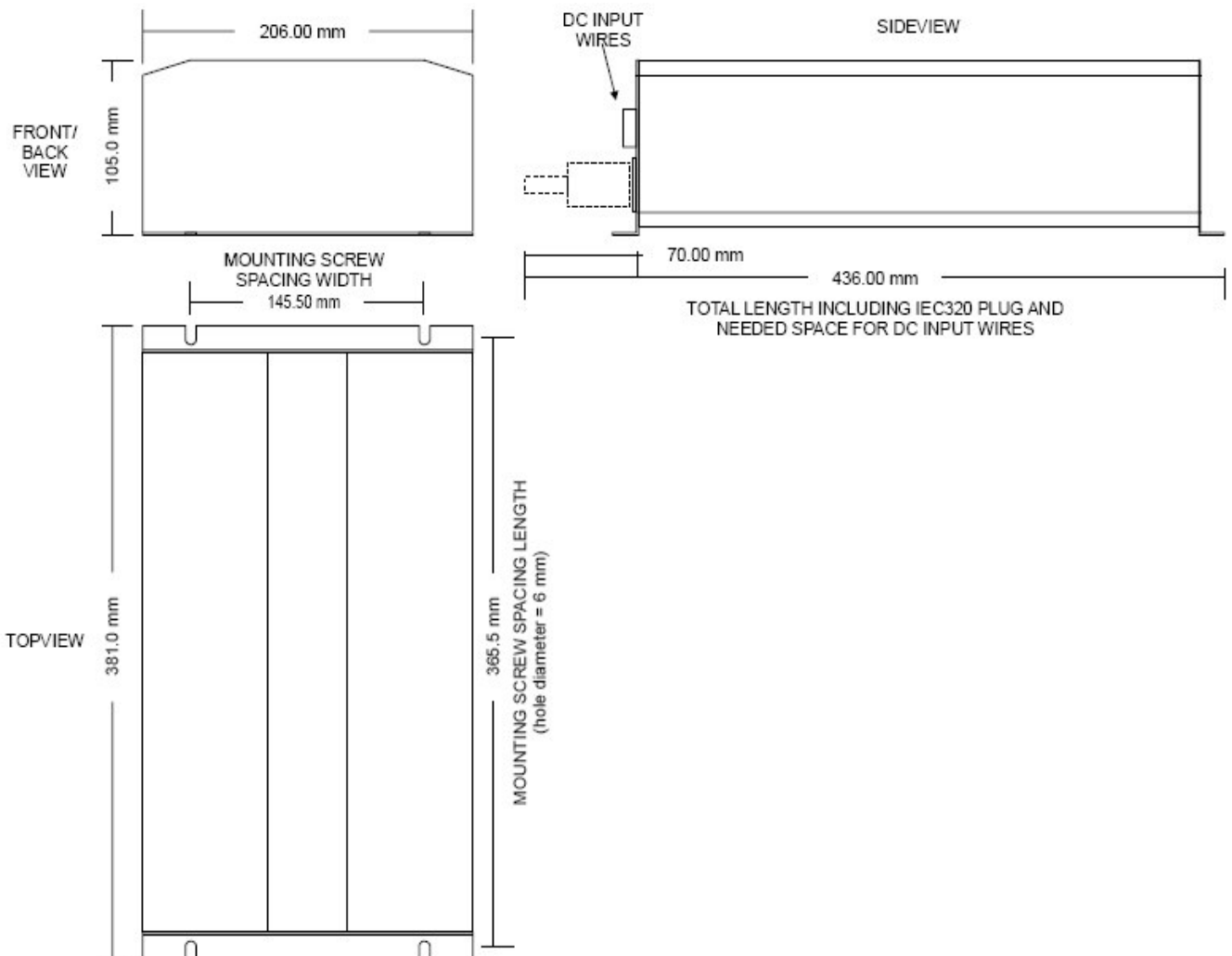
Technical specifications

Parameter	Nxt12-1000	Nxt24-1400	Nxt48-1500
Output power ¹ P _{nom}	850VA	1000VA	1000VA
P _{30minutes}	1000VA	1400VA	1500VA
P _{surge}	1800VA	2500VA	3000VA
Output voltage	230VAC±2% or 115VAC±2%		
Output frequency	50Hz±0,05% or 60Hz±0,05%		
Output waveform	True sinewave(THD<5% ¹ @ P _{nom})		
Admissible cos φ of load	0,2-1(up to P _{nom})		
Input voltage (±3% tolerance): Nominal	12VDC	24VDC	48VDC
Range	10,5 ² -16VDC	21 ² -31VDC	41 ² -60VDC
Maximum Efficiency	92%	94%	96%
No load consumption [ASB]	<7,5W [1,5W]	<8,5W [2W]	<10,5W [2,5W]
Operating temperature range (ambient)	-20° C to +50° C		
ASB threshold	P _{out} =5W	P _{out} =5W	P _{out} =5W
Protections against	Short circuit, overload, high temperature and high/low battery voltage, high input ripple voltage and ASB mode.		
Indications(by pre-programmed flashing sequences of the power LED)	Power on, short circuit/overload, high temperature, high/low battery voltage, high ripple voltage and ASB mode		
DC input connection	Two wires, length 1,5 meters Ø 25mm ²		

AC output connection	IEC-320 outlet
Enclosure body size	355x105x206mm(without mounting brackets)
Total weight	11,2 kg
Protection class	IP20
The Inverter complies with the following standards	EN50081-1(EN55022), EN50082-1(IEC801-2/3/4, EN61000-4-3), LVD 73/23EEC(EN60335-1), e4-95/54/EC, ROHS

- 1) Measured with resistive load at 25° C. Power ratings are subject to a tolerance of 4% and decreasing as temperature rises with a rate of approx. 1,2% /° C starting from 25° C.
- 2) Under voltage limit is dynamic. This limit decreases with increasing load to compensate the voltage drop across cables and connections.
- 3) Measured at nominal input voltage and 25° C.

Nxtension dimensions



Content may change without further notice – March 2007