

# Single standalone Inverter

## Miniflex HST 1000

### *New compact “Hot plug in” 1000VA Single Inverter*



*Miniflex HST 1000VA module 1U high, 19 inches, 380mm Depth*

CE+T Product reference : V510483016 + V510483003

### Description

**Miniflex** inverter range offer a compact, reliable, efficient and cost effective power solution for AC powered equipment especially in applications subject to adverse AC grid conditions.

1000VA full sine wave inverter taking power from your telecom battery and providing a clean AC output voltage to supply the load with highest level of reliability.

Miniflex is a hot plug inverter module which fit in 1U rack for single application. Rack can be installed in either 400 or 600 mm depth 19 inches ETSI cabinet.

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## Module technical features

This new brand designed family of improved modular inverters is especially developed for Telecom applications. These modules can be supplied from the Telecom 48 V DC voltage, providing 230V output pure sine wave. The high frequency and the used topology allow to reach high efficiency into a compact design. The environmental friendly range complies with the International, European, and Telecom standards.

<b>Model</b>	<b>Miniflex HST 1000VA</b>
DC Input Voltage	-40 VDC to -63 VDC
Inverter AC Output Voltage	230VAC $\pm$ 3% 120VAC $\pm$ 3%
Frequency	50Hz or 60Hz $\pm$ 0.01Hz
<b>Nominal output power</b>	<b>1000VA / 800W</b>
Output power factor	0 (inductive) – 0 (capacitive) Full 4 quadrants operation.
Signalling and measurements	Bargraph power meter 10 LEDs for output power and status 3LEDs (ON, FAULT, DC inverse)
Protections	Internal electronic + relays + fuses
Dielectric strength	4000VDC input/output 4000VDC output/earth 2000VDC input/earth
<b>Permissible overload</b>	<b>2000VA / 1600W for 5 seconds</b>
Permanent overload	20% Depends on heatsink T° automatic restart.
Overall distortion rate	< 2% on linear load
Maximum crest factor	1:3 for nominal power
Response time	< 500 $\mu$ Sec for 0 to 100% load transient and vice versa
Efficiency at full load	$\geq$ 90% for 230VAC / $>$ 88% for 120VAC
Operating temperature	-20°C to 50°C
Standards conformity	EN60950 - ETS300386-1 EN55022 class B UL/cUL 1950 FCC part 15 class A
Ripple DC input	< 2 mV psophometric
Dimensions / Weight	19 inches wide / 1U height / 350 mm depth. / 5 Kg