

INVERTER MODULE 750W

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- › Revolutionary technology offers 93% efficiency and Telecom-grade reliability
- › Hot swappable 750VA/525W AC power module allows optimal scalability and flexibility
- › Separate AC and DC inputs provide application flexibility, total cost of ownership reduction and increased system reliability
- › Up to 4 high power density modules per inverter shelf
- › Up to 3kVA in 1U
- › Dual Input Sources (AC & DC) with wide AC input range 150Vac to 265Vac
- › Nominal DC Inputs : 48V
- › Compact Design
- › Up to 32 modules in parallel

Supported by Compas Controller



Alpha Inverter Module 750W provides pure sine wave power to critical loads despite power disturbances such as harmonics, surges, glitches, voltage fluctuations, etc. Unlike traditional inverters, the Alpha Inverter features AC-AC conversion that double filters and isolates the AC input, and static switching for disturbance free transfers between input sources. The overall efficiency is increased to 93% without compromising the quality and stability of the output wave form. The modular design allows gradually incrementing the system capacity as the load demands increase.

Electrical

AC Output:	
Power rating:	750VA/525W
Waveform:	Pure sine wave
Efficiency:	89-93% depending on conditions
Transfer time:	Zero transfer time
Nominal voltage:	230Vac
Voltage accuracy:	±2%
Frequency:	50-60Hz (same as input frequency)
Frequency accuracy:	0.03%
THD (resistive load):	<1.5%
Transient load recovery time:	0.4 ms
Soft start time:	20s
Maximum crest factor at nominal ρ	3.5
Short circuit overload capacity:	10 x In for 20msec (AC-to-AC mode)
Short term overload capacity:	135% for 15 seconds
Permanent overload capacity:	105%
AC Input:	
Nominal AC voltage:	230Vac
AC voltage range:	150 – 265Vac
Input power factor:	>99%
Synchronization range:	50Hz (47-53) or 60Hz (57-63)
DC Input:	
Nominal DC voltage:	48Vdc
Maximum DC voltage range (max)	40 – 58Vdc (user adjustable)
Voltage ripple:	<2mV
MTBF:	200,000hrs

Environment

Temperature:	
Operating:	-20 to 50°C
Storage:	-40 to 70°C
Relative humidity:	Up to 95%, non-condensing
Operating altitude:	Up to 1500m (4900ft) above sea level

Mechanical

Dimensions:	
mm:	1U H x 103W x 322D
Weight:	1.5kg

Standards

Safety:	UL 60950
Immunity:	EN 61000-4
Emissions:	EN 55022 (Class A)
RoHS:	Compliant

Solution:

[Inverter System with 750VA modules](#): Inverter System with 750VA modules