

NAM Ultra Compact Fusion Generator

History and Development

One of the major staples in [Nepleslian](#) power generation, fission-fusion energy has been used in several applications ranging from civilian vehicles, starship energy supplies, and even household appliances. Because of its widespread use and relatively simple, plentiful and standardized production methods, fusion energy was the first choice when deciding upon a power system for Nepleslian infantry armorsuits. The UCF system is used to power all systems on the armorsuit; this makes the generator an extremely important feature on any Nepleslian powered armor.

Typically located on the back of powered armorsuits, Ultra Compact Fusion Generators are slightly larger than a football and cylindrical. Versions used in infantry armorsuits are rechargeable, meant to maintain their charge and power-generation ability for several hours before requiring a period of time for resupply. The UCF has gone through several iterations as time and technologies have progressed, culminating in a handful of UCF systems which are included in present [Nepleslian](#) infantry armorsuits.

UCF-04a

The most recent Ultra Compact Fusion Generator in circulation, the UCF-04a is, essentially, the pinnacle of what minimized fission-fusion technology can accomplish. This presented a problem to designers, however; with the limitation reached in size-to-power ratio, the creation of larger versions for power increases meant breaking away from standardized sizes and an increase in spendature for the development. Ever frugal with profit margins, designers instead opted to simply allocate more than one UCF-04a system on the newer, more power-intensive armorsuits. The current record for number of UCF-04a units used on a single-man infantry armorsuit is 3, on the standard [Aggressor Heavy Assault armorsuit](#).

UCF-04nc

This variation of the UCF-04a was created with the [NIGHT2 stealth reconnaissance armorsuit](#) in mind. The outer shell of the device is thicker and lined with [Zanarium](#) alloy in an attempt to mask power signals and reduce signatures which may give away the NIGHT2's position to enemy sensors. The generator also has a much grimmer feature; many of the internal components were placed with self-detonation in mind, as many NIGHT2 missions are sensitive enough to warrant full disclosure of failed NIGHT2 pilots and their lives. The UCF-04nc is capable of quickly overloading itself, able to engulf the NIGHT2 in a compacted explosion that devastates the armor beyond recognition.

Name: [NAM UCF-04](#) Type: Micro-Sized Fission-Fusion Generator Government: [Nepleslia](#) Designer: [Nepleslian Arms and Munitions](#) Manufacturer: [Nepleslian Arms and Munitions](#)

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