

GOMEH

High frequency online UPS SIN 311 3kVA UPS LCD display



ISO9001 : 2015
ISO14001 : 2015
ISO45001 : 2018

Technical Specifications

Model		SIN 311
Rated capacity (PF=0.9)		3kVA/2.7kW
Input	Voltage	120Vac~300Vac (single-phase two wire+ground wire)
	Frequency	50/60Hz±10%
Output	Voltage	220/230±1%Vac
	Frequency	Synchronize with input (mains mode), 50/60Hz ± 0.5% (battery mode)
Output waveform		Pure sine wave
Conversion time		zero
Built in battery (12V)		7Ah/9Ah×6
DC voltage of external battery		-
Battery type		Valve regulated lead-acid maintenance free battery
Overload capacity		>105% - 120%, switch to bypass after 10 seconds; >120-140%, switch to bypass after 200ms; >140-150%, switch to bypass after 200 ms, and shut down after 10 seconds; >150% shut down immediately
Load peak ratio		3 : 1 (max)
Distortion rate (full load)	<3% (linear load)	
	<5% (non-linear load)	
Communication interface		Rs232 interface (optional USB interface)+SNMP smart slot
Working temperature		0°C ~ 40°C
Relative humidity		0-90% (no condensation)
Dimensions (L x W x H)		465x196×345 mm
Net weight (kg)		26.2
Compliance with standards		GB/T 14715-1993; YD/T 1095-2008; EN 62040-1:2008+A1:2013; EN 62040-2:2018

*The above parameters may be adjusted and changed, please refer to the real object.



Basic Features

Online design, zero conversion

Digital series UPS adopts dual conversion online design, with intelligent CPU/DSP precise control; When the mains power is interrupted or restored, UPS realizes zero time switching between mains power mode and battery mode, effectively ensuring the reliability of load operation.

High quality sine wave output

High quality sine wave (THDi<3%, linear) can be output in either mains mode or battery mode to provide the best power supply guarantee for the load.

High efficiency and energy saving

PFC power factor correction design and IGBT conversion technology are adopted, with input power factor ≥ 0.99 and overall efficiency $\geq 90\%$.

Detection and self-protection function

Digital series UPS can simulate the power failure and enter battery mode for power supply. This function can be performed at any time through the "self check button" on the panel, or in a regular or irregular manner with the accompanying monitoring software; Perfect self-protection function, peak current and short circuit protection design, super anti sudden load impact capability.

TVSS function

That is, TRANSIENT VOLTAGE SURGE SUPPRESS protection function. Used for conversion protection of FAX, TELEPHONE, MODEM, network, etc.

DC starting function

If UPS is required to start the computer or other load equipment in the case of mains power failure, Digital series UPS can be started directly in the battery mode, making the use of UPS more convenient and reliable.

Automatic bypass/manual bypass/maintenance bypass (optional)

In addition to the automatic bypass function, Digital UPS also has the function of manually setting the bypass by pressing the key on the panel; When necessary, manual maintenance bypass can also be selected for online maintenance.

Optional lightning protection function

Class D lightning arrester is selected, with surge and lightning protection design, which can effectively protect equipment from lightning interference.



EPO emergency shutdown function (optional)

EPO switch is optional to realize emergency shutdown of UPS.

Humanized LCD/LED content display

UPS working status (mains power mode/battery mode/bypass mode), input/output, battery power, load size, failure code, etc.

Extended time type design

Digital series UPS provides extended time type for users to choose from. With proper battery pack, the discharge time of UPS can reach about 8 hours to meet the requirements of different grid environments. In addition to the extended discharge time, the digital series UPS has a strong battery recharging capacity, which can provide an initial charging current of about 3~4A (larger charging current can also be selected according to user needs).

Can be used with generator

The ultra wide input voltage and frequency range enables the Digital UPS to be used with mainstream brand generators, prolonging the service time, effectively removing the impure power generated by generators, and providing safe and stable power supply for loads.

Inductive load can be connected

Digital series UPS can be connected with inductive load.

Attached monitoring software

Rs232 communication interface (optional USB interface) is attached with monitoring software to realize intelligent management of UPS by users.

Equipped with intelligent slot for remote monitoring (optional)

Digital series UPS is equipped with an intelligent slot. Users can choose SNMP network card to realize centralized monitoring and remote monitoring

