

- ✂ 80Vac – 240Vac input
- ✂ 48Hz – 62Hz
- ✂ 12Vdc @ 1A output
- ✂ 8hr battery life @ 1A load
- ✂ IECEx certified
- ✂ Configurable output cut off timer
- ✂ Remote output control
- ✂ Rectangular output characteristic
- ✂ Front panel cut off timer reset push button



## DESCRIPTION

The Austdac Uninterruptible Power Supply (UPS) type 12/NMH/288 has been designed to provide battery backup for equipment located in hazardous areas that operates from a nominal 12Vdc supply. The UPS can support loads up to a maximum of 1A.

The UPS charges its internal battery and supports the load whenever the mains supply is available, the UPS supports the load from the internal battery whenever the mains supply is lost.

A configurable output cutoff timer shuts the load off after a predefined time period to further extend battery life. The load can be repowered after timeout by simply pressing the front panel 'power reset' switch. The timer can be disabled if required.

The output cutoff timer finds application in gas monitoring systems of trailing cable powered road headers or continuous miners.

The output of the UPS can be remotely controlled by the connection of the UPS to an Austdac SILBUS fieldbus system.

Remote control can significantly extend the operation, from hours to weeks, of remote gas monitoring

systems when mine power is removed during loss of mine ventilation.

The UPS uses Nickel Metal Hydride cell technology to provide the highest capacity to weight ratio without the troublesome memory effect exhibited by Nickel Cadmium batteries.

Mains input is via an integral 10m long type 2S cable. The load and SILBUS connections are via terminal blocks and cable glad entry.

The UPS has a 900mA secondary current limiter that allows capacitive load charging without shutting down the UPS Ex i current limiters.

## CERTIFICATION

The UPS Type 12/NMH/288 is certified for use in group I hazardous areas under IECEx certificate and ATEX certificate

IECEx TSA 13.0017X  
Presafe 14 ATEX 4350X.

See certificates for marking codes and parameters.



## SPECIFICATION

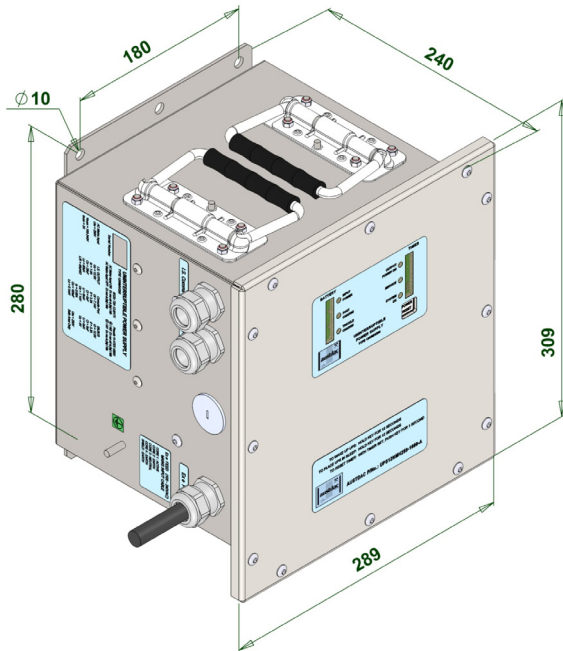
GENERAL	
Name	Uninterruptible power supply
Type	12/NMH/288
Mains voltage	100Vac – 240Vac
Mains frequency	48Hz – 62Hz
Mains load	0.9A
Mains fuse	2 x 1A 250V ceramic 20mm x 5mm HRC 1500A rupturing capacity time lag
Operating temperature	0°C to +40°C
Dimensions	240mm H x 309mm D x 289mm W
Mass	34 kg
Enclosure material	Stainless steel
Battery standby time	8hrs @ 1A load
Battery charge time	14 hours

OUTPUT ENTITY PARAMETERS	
Uo	12.6V
Io	1A
Co	25uF
Lo	60uH
Lo/Ro	65uH/ohm

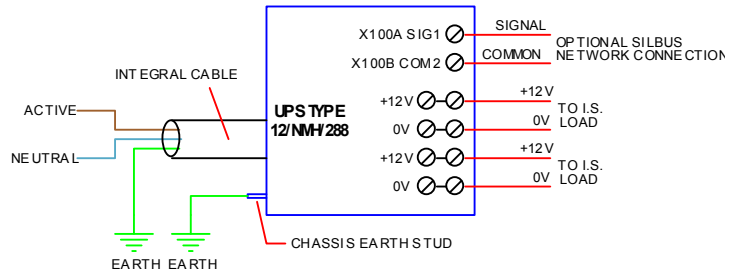
MAINS INPUT ENTITY PARAMETERS	
Um	250V

SILBUS ENTITY PARAMETERS	
Um	250V
Ui	12.6V
li	3.3A
Ci	0uF
Li	0uH
Uo	0V

## DIMENSIONS



## CONNECTION DIAGRAM



## ORDERING DETAILS

DESCRIPTION	ORDER CODE
UNINTERRUPTIBLE POWER SUPPLY TYPE 12/MNH/288	UPS12NMH288-1000-A



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