

9th of May 2018

UPS Type 12/NMH/288 Supplementary

Austdac's Uninterruptible Power Supply, Type 12/NMH/288, part number UPS12NMH288-1000 certified under certificate IECEX TSA 13.0017X has been revised and the latest certificate is now issue 3.

The changes from the previous version are;

- Um increased to 265VAC.
- Ethernet Port allowing the UPS to be monitored and controlled via a webpage and password.
- ModBus Port which can be used to monitor and control ModBus devices such as gas detectors.
- Intrinsically safe output current available from 0.3 to 2.5A upon request.
- Alternative battery manufacturer due to changes in battery availability.
- Port parameter changes.

The port parameter changes are as follows;

Issue 0 and 1

Electrical Parameters	AC Mains Input X200 on 61-166-19	DC Output X201 on 61-166-19	SILBUS Port X203 on 61-166-19 (X100 on 13-310-03)	Ethernet Port X202 on 61-166-19 (X102 on 13-310-03)	Console Port X2 on 61-166-19 (X2 on 13-310-03)
Um	250V	-	250V (when in safe area only)	-	-
Ui	-	-	12.6V	7.14V	7.14V
li	-	-	3.3A	0.48A	3.3A
Pi	-	-	-	1W	-
Ci	-	-	0uF	0.45uF	0uF
Li	-	-	0uH	0uH	0uH
Uo	-	12.6V	0V	7.14V	7.14V
Io	-	1A	-	0.48A	0.05A
Co	-	25uF	-	60uF	100uF
Lo	-	60uH	-	0.1mH	0.1mH
Lo/Ro	-	65uH/O	-	-	-

Issue 3

Electrical Parameters	AC Mains Input X200 on 61-166-19	DC Output X201 on 61-166-19		SILBUS Port X203 on 61-166-19 (X100 on 13-310-03)	Ethernet Port X202 on 61-166-19 (X102 on 13-310-03)	Console Port X2 on 61-166-19 (X2 on 13-310-03)	Modbus X300 on 61-166-19 (X300 on 13-310-03)
Um	265V	-		265 V (when in safe area only)	-	-	16.5 V
Ui	-	-		12.6 V	7.14 V	7.14 V	3.3 A
Ii	-	-		3.3 A	0.48A	3.3 A	-
Pi	-	-		-	1W	-	0 μF
Ci	-	-		0 μF	0.45 μF	0 μF	0 μH
Li	-	-		0 μH	0 μH	0 μH	5.88 V
Uo	-	12.6 V		OV	7.14 V	7.14 V	0.084 A
Io	-	0.3 - 1 A	1.1 - 2.5 A	-	0.48A	0.05 A	-
Co	-	23 μF	18 μF	-	60 μF	100 μF	-
Lo	-	60 μH	60 μH	-	0.1 mH	0.1 mH	-
Lo/Ro	-	62 μH/O	25 μH/O	-	-	-	-

Please note that the 12.6V 1A Co has been reduced from 25uF to 23uF and Lo/Ro has been reduced from 65uH/ohm to 62uH/ohm. This will require a port parameter check of your connected equipment to the UPS to ensure compliance with your Explosion Protected installation if the UPS is being used as a replacement unit.

Software revision for the updated UPS is V2.0 or greater.

Physical dimensions and connections of the updated UPS remain the same.

It is expected that the updated UPS will be available in Q4 2018.

For any further information regarding the UPS please contact Austdac.

Regards

Peter Chan
Engineering Manager