

AC25W PRODUCT OBSOLESCENCE NOTIFICATION

INTRODUCING REPLACEMENT PRODUCT AC36W



Figure 1: Power Supply Type AC36W

Dear Customer,

The AC25W power supply certified under IECEx TSA 07.0031X is obsolete and will no longer be manufactured. The AC25W power supply has the following Austdac part numbers.

PS141460EM-FRONT	PS1212785EM-FRONT	PS1212785EM-SIDE	PS1212880EM-FRONT
PS1212880EM-SIDE	PS1222880EM-FRONT	PS121740-AC25	PS121785-AC25
PS121880-AC25	PS122880-AC25	PS141460-AC25	PS181284-AC25
PS182284-AC25	PS121460-AC25	PS121520-AC25	PS142460-AC25
PS121880AC25USA	PS121880EM-AC25		

To replace the AC25W Austdac is offering the AC36W power supply which is certified under IECEx certificate number IECEx MSC 13.0001X. The power supply AC36W has some differences compared to AC25W, such as 110 to 240VAC input, smaller footprint and higher efficiency. The AC36W can be configurable to the power rating of the obsolete AC25W. The intrinsically safe parameters of the output and the mains input parameters are better. Please refer to **Table 1** and **Table 2** below to select the correct power supply to suit your requirement.

Table 1: Comparison of Mechanical dimensions and mains input parameters.

Description	AC25W Obsolete Product	AC36W Replacement Product	Notes
Certificate number	IECEX TSA 07.0031X	IECEX MSC 13.0001X	
Protection level	ia	ia	
Dimensions, mm	252 x 108 x 105	215 x 120 x 77, Wago version 215 x 95 x 77, Cable version	
Operating temp	-20°C to +40°C	-20°C to +40°C	
Input voltage	110Vac or 240Vac, depending on psu type	110Vac - 240Vac	
Um	121Vac or 250Vac, depending on psu type	265Vac	

Table 2: Comparison of Intrinsically safe output parameters.

PSU Type: AC25W	Uo, volts	Io, mA	Co, uF	Lo, uH	Lo/Ro, uH/ohm	PSU Type: AC36W	Uo, volts	Io, mA	Co, uF	Lo, uH	Lo/Ro, uH/ohm
12V Group I Power Supply											
12V@0.250A	12.34	531	14	100	123	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.375A	12.34	757	14	100	123	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.415A	12.33	833	14	50	84	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.460A	12.33	925	14	50	84	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.520A	12.33	1041	14	50	84	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.620A	12.33	1249	14	50	84	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.740A	12.33	1487	14	50	72	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.785A	12.33	1571	14	50	70	12V@ 0.10-1.0A	12.6	As rated	22	57	61
12V@0.880A	12.33	1771	14	50	61	12V@ 0.10-1.0A	12.6	As rated	22	57	61
-	-	-	-	-	-	12V@ 1.05-3.3A	12.6	As rated	18	55	22
14V Group I Power Supply											
14V@0.250A	13.98	532	11.8	100	117	-	-	-	-	-	-
14V@0.370A	13.98	757	11.8	100	117	-	-	-	-	-	-
14V@0.415A	13.98	833	11.8	100	94	-	-	-	-	-	-
14V@0.460A	13.98	925	11.8	100	94	-	-	-	-	-	-
18V Group I Power Supply											
18V@0.085A	17.97	170	4	200	128	-	-	-	-	-	-
18V@0.104A	17.97	208	4	200	128	-	-	-	-	-	-
18V@0.125A	17.97	250	4	200	128	-	-	-	-	-	-
18V@0.156A	17.97	312	4	200	128	-	-	-	-	-	-
18V@0.187A	17.97	375	4	200	128	-	-	-	-	-	-
18V@0.199A	17.97	399	4	200	128	-	-	-	-	-	-
18V@0.240A	17.97	480	4	50	104	-	-	-	-	-	-
18V@0.284A	17.97	568	4	50	85	-	-	-	-	-	-
16V Group I Power Supply											
-	-	-	-	-	-	16V@ 0.10-0.50A	16.0	As rated	11.50	41	53
-	-	-	-	-	-	16V@ 0.55-1.0A	16.0	As rated	6.0	33	29
12V Group IIB Power Supply											
-	-	-	-	-	-	12V@ 0.10-1.50	12.6	As rated	6.65	54	41
12V MSHA Power Supply											
-	-	-	-	-	-	12V@ 0.10-3.00			16	55	
-	-	-	-	-	-						

The AC36W can be custom configured to suit the user's output voltage and current requirement. Standard AC36W models are;

PSA36W-12V-1A	PSA36W-C-12V-1A	PSA36W-C-12V-2.35A	PSA36W-C-12V-2.5A
PSA36W-C-12V-2A	PSA36W-W-12V-0.15A	PSA36W-W-12V-0.5A	PSA36W-W-12V-1.5A-GIIB
PSA36W-W-12V-1A	PSA36W-W-12V-1A-M	PSA36W-W-12V-2.35A	PSA36W-W-12V-2.5A
PSA36W-W-12V-2A	PSA36W-W-12V-3A	PSA36W-W-12V-3A-M	PSA36W-W-16V-1A

Note that the AC36W does not come in an Ex e terminal box version.

The user must review their application particularly regarding the i.s parameters and loads when choosing an appropriate AC36W power supply.

For further information or to order the AC36W Power Supply please contact Austdac Customer Service.

Telephone: 1800 568 984

Email: customerservice@austdac.com.au

Regards



Peter Luu

Head of Engineering

AC25W Product Obsolescence Notification