

To:

# Re: (Final) Notice of Product Discontinuation

Cosel has already announced the following models are going to be obsolete, but this is a final notic Please let you know again, and place a last order before this product discontinuation if you need. 1. Last Date of Order Processing

Orders will be accepted through May 18, 2018.

2.Discontinued Models

Table 2.1 shows the models to be discontinued. The obsolete models include the parts with options and modification. Recommended replacement models are shown below.

Series	Discontinued Models	Recommended Replacement Models *1						
	YS5	TUHS5						
	YS10	TUHS10						
	YS15	TUHS15, TUHS25						
	YW5	±12V, ±15V : Two units of TUHS3 or Two units of VAF5						
YS·YW series	1000	24V, 30V : TUHS5 or Two units of VAF5						
	V/W/10	±12V, ±15V : Two units of TUHS5 or Two units of VAF5						
	YW10	24V, 30V : TUHS15 or Two units of VAF5						
	YW15	±12V, ±15V : Two units of TUHS10 or Two units of VA						
	CIVVI	24V, 30V : TUHS25 or Two units of VAF10						
	YAS5	5 TUHS5						
	YAS10	TUHS10						
YA•YAW series	YAW5	±12V, ±15V : Two units of TUHS3 or Two units of VAF5						
TATAW Selles	TAVIS	24V, 30V : TUHS5 or Two units of VAF5						
	YAW10	±12V, ±15V : Two units of TUHS5 or Two units of VAF5						
	TAVVIO	24V, 30V : TUHS15 or Two units of VAF5						
	DAS50F	DHS50A, DHS50B						
DAS series	DAS5048	CHS120-B, CBS50						
DAO Selles	DAS100F	DHS100A, DHS100B						
	DAS10048	CHS120-B, CBS100						
DPA series	DPA500F	DPG500, DPG750						

Table 2.1 Discontinued Models and Recommended Replacement Models

\*1 External size and pin configuration are different.

For more details, please refer to the other sheets "Recommended Models for Replacement".

Table 2.2 shows optional parts of discontinued models.

Table 2.	2 Optional Parts to be Discontinued
Heat sink	F-DA50A, F-DA50B, F-DA50C, F-DA50D,
Heat Sirik	F-DA100A, F-DA100B, F-DA100C, F-DA100D

3. Reason for Discontinuation

The demand for YS, YW, YAS, YAW, DAS and DPA series has dropped and many components mounted in these products are no longer in production, which makes it difficult for Cosel to keep producing them.

Should you have any questions or concerns, please contact our local sales representatives.

Best Regards,

Isao Yasuda Isao Yasuda

Director Sales Dept. Cosel Co., Ltd.

## COSEL

## YS · YW series Recommended Models for Replacements

(Please check detail specifications in the catalog.)

Dec. 2016 COSEL CO., LTD.

		Discon	tinue	ed Model	3			Recommended	d Mo	dels for F	Replaceme	nt	
NI -		Input		Output	Output			Input	1	Output	Output		
No.	Model	Voltage	No.	Voltage	Current	Remarks	Model *1	Voltage	No.	Voltage	Current	Remarks	
		[V]		[V]	[A]			[V]		[V]	[A]		
1	YS505A	AC85-132	-	5	1.0		TUHS5F05	AC85-264	-	5	1.0		
2	YS512A	710000 102	-	12	0.45		TUHS5F12		-	12	0.45		
							*1 To use TUHS, externa	l components are r	requir	ed. Refer to	o the instructi	ion manual for details.	
ſS	10												
		-	tinue	ed Model		1		Recommended	d Mo			nt	
No.		Input		Output	Output			Input		Output	Output		
	Model	Voltage	No.	Voltage	Current	Remarks	Model *1	Voltage	NO.	Voltage	Current	Remarks	
4	VC100FA	[V]		[V]	[A]		TUHS10F05	[V]		[V]	[A]		
	YS1005A	AC85-132	-	5	2.0		TUHS10F05 TUHS10F12	AC85-264	-	5	2.0		
2	YS1012A		-	12	0.9		*1 To use TUHS, externa		-	12	0.9	ion monual for dataila	
ve	15						TTO USE TOPS, externa	r components are r	equil	eu. Reiei i		ion manual for details.	
13	15	Diagan	41.00.1.1	ed Model			1	Decementaria		dala far [	Danlaanna		
		Input	unue	Output	Output	1		Recommended Input		Output	Output	ni I	
No.	Model	Voltage	No	Voltage	Current	Remarks	Model *1	Voltage	No	Voltage	Current	Remarks	
	WOUEI	[V]	INU.	[V]	[A]	Remarks	NOUEI I	[V]	INU.	[V]	[A]	Remarks	
1	YS1505A	[V]	-	5	3.0		TUHS25F05	Į VĮ	-	5	5.0		
		AC85-132	_				TUHS25F12 or	AC85-264	-	12	2.1		
2	YS1512A	10000 102	-	12	1.3		TUHS15F12	1000 201		12	1.25		
		I	I				*1 To use TUHS, externa	components are r				ion manual for details.	
(W	15												
		Discon	tinu	ed Model	3		1	Recommended	d Mo	dels for F	Replaceme	nt	
		Input	linut	Output	Output			Input		Output	Output		
۷o.	Model	Voltage	No	Voltage	Current	Remarks	Model *1	Voltage	No	Voltage	Current	Remarks	
	MODEI	[V]		[V]	[A]	. condina		[V]		[V]	[A]	Normalino	
						+/-12V							
			V1	12	0.22	output.Non-			V1	12	0.25	Two units of power supp	
1	YW512A					isolation	TUHS3F12 x 2					should be used .	
			V2	12	0.22	between V1 and V2			V2	12	0.25		
_		_					TUUOFEOA	-					
2	YW512A	1005 100	-	24	0.22		TUHS5F24	1005 004	- 24 0.22				
		AC85-132	V1	15	0.17	+/-15V output.Non-		AC85-264	V1	15	0.35		
3	YW515A		V I	10	0.17	isolation	VAF515 x 2		V I	10	0.00	Two units of power supp	
3	TWOTSA				45	0.47	between V1	VAFUIDXZ		VO	45	0.05	should be used .
			V2	15	0.17	and V2			V2	15	0.35		
												Two units of power supp	
4	YW515A		-	30	0.17		VAF515 x 2		-	30	0.35	should be used .	
				1			*1 To use TUHS, externa	l components are r	requir	ed. Refer to	o the instructi		
٢W	/10	Disson	4				*1 To use TUHS, externa		•			ion manual for details.	
٢W	/10		tinue	ed Model		1	*1 To use TUHS, externa	Recommended	•	dels for F	Replaceme	ion manual for details.	
		Input		Output	Output	Pomarka		Recommended Input	d Mo	dels for F Output	Replaceme Output	nt	
	/10 Model	Input Voltage		Output Voltage	Output Current	Remarks	*1 To use TUHS, externa	Recommended Input Voltage	d Mo	dels for F Output Voltage	Replaceme Output Current	ion manual for details.	
		Input		Output	Output			Recommended Input	d Mo	dels for F Output	Replaceme Output	nt	
		Input Voltage		Output Voltage	Output Current	Remarks +/-12V output.Non-		Recommended Input Voltage	d Mo	dels for F Output Voltage	Replaceme Output Current	nt Remarks	
No.	Model	Input Voltage	No.	Output Voltage [V]	Output Current [A]	+/-12V output.Non- isolation		Recommended Input Voltage	d Mo No.	dels for F Output Voltage [V]	Replaceme Output Current [A]	int Remarks	
No.		Input Voltage	No. V1	Output Voltage [V] 12	Output Current [A] 0.45	+/-12V output.Non- isolation between V1	Model *1	Recommended Input Voltage	Mo No.	dels for F Output Voltage [V] 12	Replaceme Output Current [A] 0.45	nt Remarks	
No.	Model YW1012A	Input Voltage	No. V1 V2	Output Voltage [V] 12 12	Output Current [A] 0.45 0.45	+/-12V output.Non- isolation	Model *1 TUHS5F12 x 2	Recommended Input Voltage	No.	dels for F Output Voltage [V] 12 12	Replaceme Output Current [A] 0.45 0.45	int Remarks Two units of power supp	
No.	Model	Input Voltage	No. V1	Output Voltage [V] 12	Output Current [A] 0.45	+/-12V output.Non- isolation between V1 and V2	Model *1	Recommended Input Voltage	Mo No.	dels for F Output Voltage [V] 12	Replaceme Output Current [A] 0.45	int Remarks Two units of power supp	
No.	Model YW1012A	Input Voltage	No. V1 V2 -	Output Voltage [V] 12 12 12 24	Output Current [A] 0.45 0.45 0.45	+/-12V output.Non- isolation between V1 and V2 +/-15V	Model *1 TUHS5F12 x 2	Recommended Input Voltage	No.	dels for F Output Voltage [V] 12 12 24	Replaceme Output Current [A] 0.45 0.45 0.63	int Remarks	
No. 1 2	Model YW1012A YW1012A	Input Voltage [V]	No. V1 V2	Output Voltage [V] 12 12	Output Current [A] 0.45 0.45	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non-	Model *1 TUHS5F12 x 2 TUHS15F24	Recommended Input Voltage [V]	No.	dels for F Output Voltage [V] 12 12	Replaceme Output Current [A] 0.45 0.45	int Remarks Two units of power supp should be used .	
No. 1 2	Model YW1012A	Input Voltage [V]	No. V1 V2 - V1	Output Voltage [V] 12 12 12 24 15	Output Current [A] 0.45 0.45 0.45 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V	Model *1 TUHS5F12 x 2	Recommended Input Voltage [V]	d Mo No. V1 V2 - V1	dels for F Output Voltage [V] 12 12 24 15	Replaceme Output Current [A] 0.45 0.45 0.45 0.63 0.35	int Remarks Two units of power supp should be used .	
√o. 1 2	Model YW1012A YW1012A	Input Voltage [V]	No. V1 V2 -	Output Voltage [V] 12 12 12 24	Output Current [A] 0.45 0.45 0.45	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation	Model *1 TUHS5F12 x 2 TUHS15F24	Recommended Input Voltage [V]	No.	dels for F Output Voltage [V] 12 12 24	Replaceme Output Current [A] 0.45 0.45 0.63	Two units of power supp	
No. 1 2	Model YW1012A YW1012A	Input Voltage [V]	No. V1 V2 - V1	Output Voltage [V] 12 12 12 24 15	Output Current [A] 0.45 0.45 0.45 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2	Recommended Input Voltage [V]	d Mo No. V1 V2 - V1	dels for F Output Voltage [V] 12 12 24 15	Replaceme Output Current [A] 0.45 0.45 0.45 0.63 0.35	Int Remarks Two units of power suppressional de used . Two units of power suppressional de used . Two units of power suppressional de used .	
No.	Model YW1012A YW1012A	Input Voltage [V]	No. V1 V2 - V1	Output Voltage [V] 12 12 12 24 15	Output Current [A] 0.45 0.45 0.45 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24	Recommended Input Voltage [V]	d Mo No. V1 V2 - V1	dels for F Output Voltage [V] 12 12 24 15	Replaceme Output Current [A] 0.45 0.45 0.45 0.63 0.35	Two units of power supp should be used . Two units of power supp should be used .	
No.	Model YW1012A YW1012A YW1015A	Input Voltage [V]	No. V1 V2 - V1 V2	Output Voltage [V] 12 12 24 15 15	Output Current [A] 0.45 0.45 0.45 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 -	dels for F           Output           Voltage           [V]           12           12           12           15           30	Replaceme           Output           Current           [A]           0.45           0.45           0.63           0.35           0.35           0.35	Two units of power supp should be used . Two units of power supp should be used .	
No.	Model YW1012A YW1012A YW1015A	Input Voltage [V]	No. V1 V2 - V1 V2	Output Voltage [V] 12 12 24 15 15	Output Current [A] 0.45 0.45 0.45 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 -	dels for F           Output           Voltage           [V]           12           12           12           15           30	Replaceme           Output           Current           [A]           0.45           0.45           0.63           0.35           0.35           0.35	Two units of power supp should be used . Two units of power supp should be used .	
No. 1 2 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V]	No. V1 V2 - V1 V2	Output Voltage [V] 12 12 24 15 15	Output Current [A] 0.45 0.45 0.45 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 -	dels for F           Output           Voltage           [V]           12           12           12           15           30	Replaceme           Output           Current           [A]           0.45           0.45           0.63           0.35           0.35           0.35	Two units of power supp should be used . Two units of power supp should be used .	
No. 1 2 4	Model YW1012A YW1012A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 -	Output           Voltage           [V]           12           12           12           15           15           30	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2	Recommended Input Voltage [V] AC85-264	V1 V2 - V1 V2 - equir	dels for F Output Voltage I2 12 12 24 15 15 30 ed. Refer t	Replaceme           Output           Current           [A]           0.45           0.45           0.63           0.35           0.35           0.35           0.35           0.35	Two units of power sup should be used . Two units of power sup should be used . Two units of power sup should be used .	
No. 1 2 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 -	Output Voltage [V] 12 12 12 24 15 15 30	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2	Recommended Input Voltage [V] AC85-264	V1 V2 - V1 V2 - equir	dels for F Output Voltage [V] 12 12 12 24 15 15 30 ed. Refer to dels for F	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 o the instruct	Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used .	
1 2 3 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 -	Output Voltage [V] 12 12 12 24 15 15 30 ed Model Output	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 - V1 V2 d Mo	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to dels for F Output	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.45	Int Remarks Two units of power supply should be used . Two units of power supply should be used . Two units of power supply should be used . Two units of power supply should be used . Two units of power supply should be used . It is the table tab	
1 2 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 -	Output Voltage [V] 12 12 12 24 15 15 30 ed Model Output Voltage	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 - V1 V2 d Mo	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to dels for F Output Voltage	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35	Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used .	
1 2 3 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 -	Output Voltage [V] 12 12 12 24 15 15 30 ed Model Output	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 Remarks	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 - V1 V2 d Mo	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to dels for F Output	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.45	int Remarks Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . ion manual for details. int	
1 2 3 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 -	Output Voltage [V] 12 12 12 24 15 15 30 ed Model Output Voltage	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa	Recommended Input Voltage [V] AC85-264	V1 V2 V1 V2 - V1 V2 d Mo	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to dels for F Output Voltage	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35	Int Remarks Two units of power supp should be used . Two units of power supp	
1 2 3 4	Model YW1012A YW1012A YW1015A YW1015A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 - tinue	Output Voltage [V] 12 12 12 24 15 15 15 30 30 Output Voltage [V]	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 Remarks +/-12V output.Non- isolation	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa	Recommended Input Voltage [V] AC85-264	d Mo No. V1 V2 - V1 V2 - V1 V2 - O No.	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to Output Voltage [V]	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.45 0.35	Int Remarks Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used .	
1 2 3 4	Model YW1012A YW1012A YW1015A YW1015A //15 Model	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 - tinue No.	Output Voltage [V] 12 12 12 15 15 15 30 ed Model Output Voltage [V] 12	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa Model *1	Recommended Input Voltage [V] AC85-264	d Mo No. V1 V2 - V1 V2 - equir	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to dels for F Output Voltage [V] 12	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.45 0.35 0.35 0.35	Int Remarks Two units of power supp should be used . Two units of power supp	
1 2 3 4 No.	Model YW1012A YW1012A YW1015A YW1015A //15 Model	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 - tinue	Output Voltage [V] 12 12 12 24 15 15 15 30 30 Output Voltage [V]	Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 Remarks +/-12V output.Non- isolation	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2	Recommended Input Voltage [V] AC85-264	d Mo No. V1 V2 - V1 V2 - V1 V2 - O No.	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to Output Voltage [V] 12	Replaceme           Output           Current           [A]           0.45           0.45           0.35           0.35           0.35           0.35           0.45           0.9           0.9	Int Remarks Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used .	
1 2 3 4 No.	Model YW1012A YW1012A YW1015A YW1015A //15 Model YW1512A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 - tinue No.	Output Voltage [V] 12 12 24 15 15 30 ad Model: Output Voltage [V] 12 12	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2 TUHS25F24 or	Recommended Input Voltage [V] AC85-264	d Mo No. V1 V2 - V1 V2 - equir	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to dels for F Output Voltage [V] 12	Replaceme Output Current [A] 0.45 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.45 0.35 0.35 0.35	Int Remarks Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used .	
1 2 3 4 No.	Model YW1012A YW1012A YW1015A YW1015A //15 Model	Input Voltage [V] AC85-132 Discon Input Voltage [V]	No. V1 V2 - V1 V2 - tinue No.	Output Voltage [V] 12 12 12 15 15 15 30 ed Model Output Voltage [V] 12	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1 and V2	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2	Recommended Input Voltage [V] AC85-264	d Mo No. V1 V2 - V1 V2 - equir No. V1 V2 V1 V2	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to Output Voltage [V] 12	Replaceme           Output           Current           [A]           0.45           0.45           0.35           0.35           0.35           0.35           0.45           0.9           0.9	Int Remarks Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used .	
1 2 3 4 No.	Model YW1012A YW1012A YW1015A YW1015A //15 Model YW1512A	Input Voltage [V] AC85-132	No. V1 V2 - V1 V2 - No. V1 V2 -	Output           Voltage           12           12           12           12           15           15           30	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.3	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1 and V2 +/-15V	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2 TUHS25F24 or	Recommended Input Voltage [V] AC85-264	Mo           No.           V1           V2           -           V1           V2           -           Mo           No.           V1           V2           -           V1           V2           -           V1           V2           -           V1           V2           -           V1           V2	dels for F           Output           Voltage           I2           12           12           12           12           12           12           12           01           15           30           ed. Refer to           Output           Voltage           [V]           12           12           12           12           12           12           24	Replaceme           Output           Current           [A]           0.45           0.45           0.45           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.9           1.1           0.63	Int Remarks Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used . Two units of power suppresent should be used .	
1 2 3 4 No. 1 2	Model YW1012A YW1012A YW1012A YW1015A YW1015A //15 //15 //15 //15 //15	Input Voltage [V] AC85-132 Discon Input Voltage [V]	No. V1 V2 - V1 V2 - tinue No.	Output Voltage [V] 12 12 24 15 15 30 ad Model: Output Voltage [V] 12 12	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1 and V2	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2 TUHS25F24 or TUHS15F24	Recommended Input Voltage [V] AC85-264	d Mo No. V1 V2 - V1 V2 - V1 V2 - V1 V2 - V1 V2 - V1 V2 - V1 V2	dels for F Output Voltage [V] 12 12 12 12 15 15 30 ed. Refer to Voltage [V] 12 12 24	Replaceme           Output           Current           [A]           0.45           0.45           0.45           0.35           0.35           0.35           0.35           0.45           0.9           0.9           1.1	int Remarks Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . Int Remarks Two units of power supp should be used .	
No. 1 2 3 4 No. 1 2 2	Model YW1012A YW1012A YW1015A YW1015A //15 Model YW1512A	Input Voltage [V] AC85-132 Discon Input Voltage [V]	No.           V1           V2           -           V1	Output           Voltage           12           12           12           12           15           15           30	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.3	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1 and V2	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2 TUHS25F24 or	Recommended Input Voltage [V] AC85-264	Mo           No.           V1           V2           -           V1           V2	dels for F Output Voltage [V] 12 12 12 12 12 15 30 ed. Refer to Voltage [V] 12 12 12 24 12 24 12	Replaceme           Output           Current           [A]           0.45           0.45           0.45           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.9           1.1           0.63           0.7	int Remarks Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . ion manual for details. nt Remarks Two units of power supp should be used .	
1 2 3 4 No.	Model YW1012A YW1012A YW1012A YW1015A YW1015A //15 //15 //15 //15 //15	Input Voltage [V] AC85-132 Discon Input Voltage [V]	No. V1 V2 - V1 V2 - No. V1 V2 -	Output           Voltage           12           12           12           12           15           15           30	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.3	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1 and V2	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2 TUHS25F24 or TUHS15F24	Recommended Input Voltage [V] AC85-264	Mo           No.           V1           V2           -           V1           V2           -           Mo           No.           V1           V2           -           V1           V2           -           V1           V2           -           V1           V2           -           V1           V2	dels for F           Output           Voltage           I2           12           12           12           12           12           12           12           01           15           30           ed. Refer to           Output           Voltage           [V]           12           12           12           12           12           12           24	Replaceme           Output           Current           [A]           0.45           0.45           0.45           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.9           1.1           0.63	Int Remarks Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . It Remarks Two units of power supp should be used . It Remarks Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used . Two units of power supp should be used .	
1 2 3 4 10. 1 2	Model YW1012A YW1012A YW1012A YW1015A YW1015A //15 //15 //15 //15 //15	Input Voltage [V] AC85-132 Discon Input Voltage [V]	No.           V1           V2           -           V1	Output           Voltage           12           12           12           12           15           15           30           Output           Voltage           IV           12           14           15           30           Output           Voltage           IV           12           12           12           12           15	Output Current [A] 0.45 0.45 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.3	+/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1 and V2 +/-12V output.Non- isolation between V1 and V2 +/-15V output.Non- isolation between V1	Model *1 TUHS5F12 x 2 TUHS15F24 VAF515 x 2 *1 To use TUHS, externa Model *1 TUHS10F12 x 2 TUHS25F24 or TUHS15F24	Recommended Input Voltage [V] AC85-264	Mo           No.           V1           V2           -           V1           V2	dels for F Output Voltage [V] 12 12 12 12 12 15 30 ed. Refer to Voltage [V] 12 12 12 24 12 24 12	Replaceme           Output           Current           [A]           0.45           0.45           0.45           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.35           0.9           1.1           0.63           0.7	Int INTERMENT IN THE INPORT OF THE INFORT OF THE INTO OF T	

# COSEL

#### YAS-YAW series Recommended Models for Replacements

Dec. 2016 COSEL CO., LTD.

(Please check detail specifications in the catalog.)

YAS5

IA	30												
		Discon	tinue	ed Model	s		Recommended Models for Replacement						
No.		Input		Output	Output			Input		Output	Output		
140.	Model	Voltage	No.	Voltage	Current	Remarks	Model	Voltage	No.	Voltage	Current	Remarks	
		[V]		[V]	[A]			[V]		[V]	[A]		
1	YAS505	AC85-264	-	5	1.0		TUHS5F05	AC85-264	-	5	1.0		
2	YAS512	AC65-204	-	12	0.45		TUHS5F12	AC03-204	-	12	0.45		

\*1 To use TUHS, external components are required. Refer to the instruction manual for details.

#### YAS10

		Discon	tinue	ed Model	S		Recommended Models for Replacement						
No		Input		Output	Output			Input		Output	Output		
No.	Model	Voltage	No.	Voltage	Current	Remarks	Model	Voltage	No.	Voltage	Current	Remarks	
		[V]		[V]	[A]			[V]		[V]	[A]		
1	YAS1005	AC85-264	-	5	2.0		TUHS10F05	AC85-264	-	5	2.0		
2	YAS1012	AC03-204	-	12	0.9		TUHS10F12	AC03-204	-	12	0.9		

\*1 To use TUHS, external components are required. Refer to the instruction manual for details.

#### YAW5

		Discon	tinue	ed Model	S		Recommended Models for Replacement						
No.	Model	Input Voltage [V]	No.	Output Voltage [V]	Output Current [A]	Remarks	Model *1	Input Voltage [V]	No.	Output Voltage [V]	Output Current [A]	Remarks	
1	YAW512		V1	12	0.22	+/-12V output.Non- isolation	TUHS3F12 x 2		V1	12	0.25	Two units of power supplies	
	-		V2	12	0.22	between V1 and V2		AC85-264	V2	12	0.25	should be used .	
2	YAW512		-	24	0.22		TUHS5F24		-	24	0.22		
3	YAW515	AC85-264	V1	15	0.17	+/-15V output.Non- isolation	VAF515 x 2		V1	15	0.35	Two units of power supplies	
3	1400515		V2	15	0.17	between V1 and V2	VAP515 X Z		V2	15	0.35	should be used .	
4	YAW515		-	30	30 0.17		VAF515 x 2		-	30	0.35	Two units of power supplies should be used .	

#### **YAW10**

		Discon	tinue	ed Model	S			Recommende	d Mo	dels for l	Replaceme	ent
No.	Model	Input Voltage [V]	No.	Output Voltage	Current	Remarks	Model *1	0	No.	Output Voltage [V]	Output Current [A]	Remarks
1	YAW1012		V1 12 0.45		+/-12V output.Non- isolation	TUHS5F12 x 2	[V]	V1	12	0.45	Two units of power supplies	
	TAWIUIZ		V2	12	0.45	between V1 and V2	10HS5F12 X 2	-	V2	12	0.45	should be used .
2	YAW1012		-	24	0.45		TUHS15F24		-	24	0.63	
2	YAW1015	AC85-264	V1	15	0.35	+/-15V output.Non- isolation	VAF515 x 2	AC85-264	V1	15	0.35	Two units of power supplies
3	1401013		V2	15	between V1				V2	15	0.35	should be used .
4	YAW1015		-	30	0.35		VAF515 x 2		-	30	0.35	Two units of power supplies should be used .

\*1 To use TUHS, external components are required. Refer to the instruction manual for details.

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### DAS and DPA series Recommended Models for Replacements

(Please check detail specifications in the catalog.)

#### DAS50

		Discontir	nued Mod	els		Reco	ommended M	lodels for	Replacem	ent
No.		Input	Output	Output			Input	Output	Output	
110.	Model	Voltage	Voltage	Current	Remarks	Model	Voltage	Voltage	Current	Remarks
		[V]	[V]	[A] *1			[V]	[V]	[A]	
1	DAS50F05		5	10		DHS50A05	DC60-160	5	10	
	DA3301 03		5	10		DHS50B05	DC200-400	5	10	
2	DAS50F12	DC88-370	12	4.2		DHS50A12	DC60-160	12	4.2	
2	DASSUF 12	DC00-370	12	4.2		DHS50B12	DC200-400	12	4.2	
3	DAS50F24		24	2.1		DHS50A24	DC60-160	24	2.1	
3	DASSUF24		24	2.1		DHS50B24	DC200-400	24	2.1	
4	DAS504805		5	10		CBS504805		5	10	B:BasePlate option
4	DAS504605	DC36-72	5	10		CHS1204805-B	DC36-76	5	24	B:BasePlate option
5	DAS504812	DC30-72	12	4.2		CBS504812	DC30-70	12	4.2	B:BasePlate option
э	DA3304012		12	4.2		CHS1204812-B		12	10	D.Daseriate option

#### **DAS100**

		Discontir	nued Mod	els		Recommended Models for Replacement						
No.		Input	Output	Output			Input	Output	Output			
INU.	Model	Voltage	Voltage	Current	Remarks	Model	Voltage	Voltage	Current	Remarks		
		[V]	[V]	[A] *1			[V]	[V]	[A]			
1	DAS100F05		5	20		DHS100A05	DC60-160	5	20			
1	DA31001 03		5	20		DHS100B05	DC200-400	5	20			
2	DAS100F12	DC88-370	12	8.5		DHS100A12	DC60-160	12	8.4			
2	DASTOUFIZ	DC00-370	12	0.0		DHS100B12	DC200-400	12	8.4			
3	DAS100F24		24	4.2		DHS100A24	DC60-160	24	4.2			
3	DA3100F24		24	4.2		DHS100B24	DC200-400	24	4.2			
4	DAS1004805		5	20		CHS1204805-B		5	24	B:BasePlate option		
4	DAS1004605	DC36-72	5	20		CBS1004805	DC36-76	5	20	B:BasePlate option		
5	DAS1004812	DC30-72	12	8.5		CHS1204812-B	DC30-70	12	10	B:BasePlate option		
5	DAS1004012		12	0.0		CBS1004812		12	8.4	B:BasePlate option		

#### DPA500F

		Discontir	nued Mod	els		Recommended Models for Replacement						
No.	Model	Input Voltage [V]	Max Output Wattage [W]	Output Voltage [V]	Remarks	Model	Input Voltage [V]	Max Output Wattage [W]*1	Output Voltage [V]*2	Remarks		
		AC85-264	500			DPG500	AC85-264	300				
1	DPA500F	AC03-204	500	300-360		DI 0300	AC170-264	500	360			
	DEA3001	AC170-264	750	300-300		DPG750	AC85-264	500	300			
		AC170-204	730			DFG130	AC170-264	750				

\*1 Refer to Input voltage derating. \*2 When the input voltage is more than 240V, the output voltage becomes the value proportional to the input voltage.