

General Specifications

Models PS40, PS41
24 V DC Output Power
Supplies



GS 33J60K51-01EN

[Release 6]

■ GENERAL

This GS the hardware specifications of the 24 V DC Output Power Supply (PS40*C and PS41*C) which supplies power to equipment installed in the CENTUM cabinet.

■ APPLICABLE MODELS

PS40*C and PS41*C can be installed only in the CENTUM cabinets as shown below. The power supplies must be used in the dual-redundant configuration in every cabinet.

- CENTUM-XL cabinets which had been migrated to CENTUM VP or CENTUM CS 3000

	CENTUM-XL Model Codes before the migration		
PS40	EFCD-□□10*A	EFCS-□□10*A	EMCD-□□10*A
	EMCS-□□10*A	EFMS-S110*A	EFCE-□□70*A
	ETBE-S170*A	ETBC-S□1□*A	
PS41	EFCD-□□20*A	EFCS-□□20*A	EMCD-□□20*A
	EMCS-□□20*A	EFMS-S120*A	ETBC-S□2□*A
Not applicable	EFCD-□□40*A	EFCS-□□40*A	EMCD-□□40*A
	EMCS-□□40*A	EFMS-S140*A	ETBC-S□4□*A
	ETBC-S100*A		

The applicable option codes are as follows.

/□-END, /□-ENS, /□□-ECL, /□□-ECM, /□□-ELB, /□□-ELD, /□□-ENC, /□□-ENM, /□□-EUB, /□□-EUD, /□□-EYB, /□□-EYD, /□-EMU, /□□-ETC, /□□-ERT, /□-H1N, /□□-EHE, /□□-HLB, /□□-HYB, /□□-M3S, /□□-M4S, /□□-U3B, /□□-ZELC2, /□□-ZELC3, /□□-ZELC4, /□□-ZAMH1, /□□-ZAMH2, /□□-ZAMH3, /□□-ZAMH4, /□□-ZAMH5, /□-ZFGW, /□-ZCGW, /ZNP, /Z2PSD, /Z2PST□, /ZDEFS, /ZDEFD, /ZDEFM, /ZDET□, /ZSH1FD, /ZSH1T□, /ZHEFS, /ZHEFM, /ZHET1, /ZSHFD, /ZSHT□, /□-ZFUS, /ZCTFS, /ZCTFD, /ZCTFM, /ZCTT1, /ZCT, /ZRF, /1-ZFK, /1-ZFF and /□-ZNB

■ HARDWARE SPECIFICATIONS

For common installation environmental conditions and conforming standards, see System Overview (GS 33J01A10-01EN).

Item	Description	
Model	PS40*C	PS41*C
Input voltage and frequency range	100 - 120V AC±10% 50/60 Hz±3 Hz	220 - 240V AC±10% 50/60 Hz±3 Hz
Rated input voltage	100 - 120 V AC	220 - 240 V AC
Maximaum input current (@Rated output) (*1)	16 A	8 A
Rated output voltage	24 V±2%	
Rated output current (*1)	21 A	
Efficiency	65 % or more	
Momentary failure (@Rated input voltage and rated output)	20 msec or less	
Withstanding voltage (Between input and output)	3000 V AC, 1minute	
Weight	Approx. 5.9 kg	
Replacement cycle	8 years (Mean temperature environment of cabinet: 30 °C)	

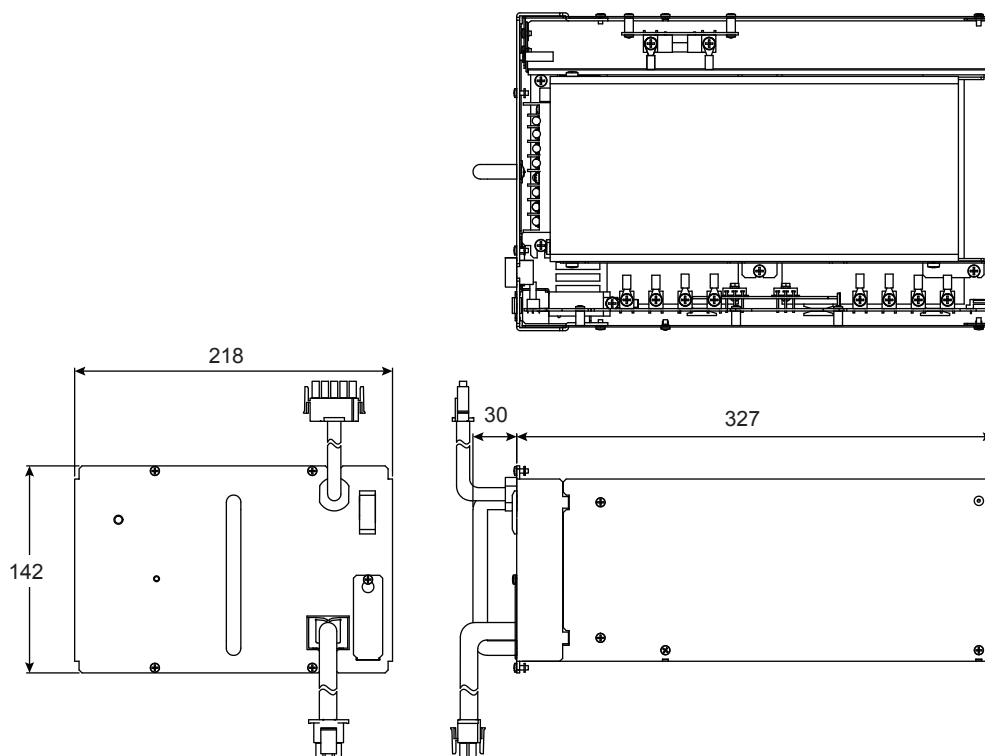
*1: These are the PS4X specifications as a single substance. When it is installed in the cabinet, the current flow is restricted by the electric loads in the cabinet.

● Maintenance Information

- Maintenance and replacement work of PS4x must be done by Yokogawa's service engineer.
- PS40*C can be used with PS40*B in a dual-redundant configuration.
- PS41*C can be used with PS41*A in a dual-redundant configuration.

■ EXTERNAL DIMENSIONS

Unit: mm



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Nominal Tolerances :

When the reference dimension is over 0.5 mm and equal or less than 120 mm, its nominal tolerance is ± 0.8 mm, while its combination of nominal tolerance is ± 1.5 mm.

When the reference dimension is over 120 mm, its nominal tolerance is in accordance with JEM 1459.

■ MODELS AND STYLE CODES

		Description
Model	PS40	24 V DC Output Power Supply (100 - 120 V AC power input)
Style code	*C	Style C (*1)

		Description
Model	PS41	24 V DC Output Power Supply (220 - 240 V AC power input)
Style code	*C	Style C (*1)

*1: *C is described as SUFFIX on the actual products.

■ APPLICABLE STANDARDS

Refer to the GS "Integrated Production Control System CENTUM VP System Overview (GS 33J01A10-01EN)."

■ ORDERING INFORMATION

Specify the model and style code when ordering.

■ TRADEMARKS

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