MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

YOKOGAWA

NFPW442-11 S2

220–240 V AC POWER SUPPLY MODULE

Used with the applicable STARDOM FCN configuration.

REFERENCE PACKAGE

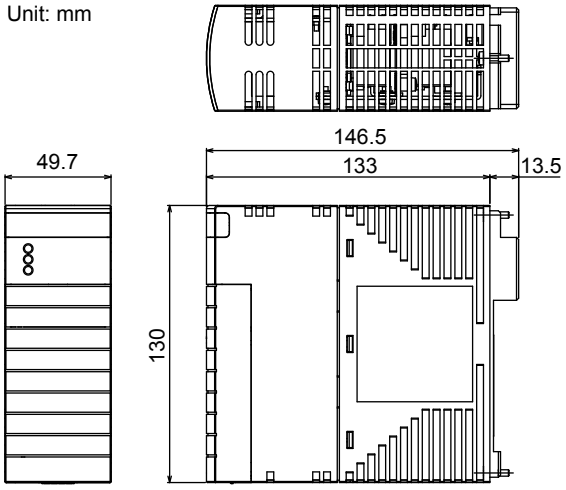
OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Yokogawa GS 34P02Q14-01E, p. 8 (family specifications)

● Dimensions

Unit: mm



F07E.ai

● Specifications

Item			Specification		
Model			NFPW441	NFPW442	NFPW444
Power supply input		Rated input voltage	100 to 120 V AC	220 to 240 V AC	24 V DC
		Input voltage range	80 to 132 V AC (rms)	170 to 264 V AC (rms)	21.6 to 31.2 V DC
		Input frequency	47 to 66 Hz (Rating: 50/60 Hz)		
		Input current	Max. 1.4 A	Max. 0.7 A	Max. 3.3 A
		Fuse rating	3.15 A	3.15 A	6.3 A
		Rush current	Max. 80 A for 5 ms or less	Max. 90 A for 5 ms or less	Max. 20 A
		Leak current	Max. 1 mA		—
		Withstanding voltage	3000 V AC for 1 minute		500 V AC for 1 minute
		Insulation resistance	50 MΩ at 500 V DC		
		Insensitive momentary power-failure time	10 ms (80%)		2 ms (90%)
Output		Rated output voltage	+5.1 V DC		
		Rated output current	0 to 7.8 A		
		Peak current	11.8 A		
		Total output	40 W (60 W peak)		
		Startup time after power-on	Max. 300 ms		
			Max. 100 ms (after a power failure of 200 ms long with the rated input)		
		Overvoltage protection	Max. 7 V		
		Overcurrent protection	Min. 105% (shutdown after 4 to 14 seconds long overcurrent)		
Analog field power supply	Input	Rated input voltage	24 V DC ±10%		
		Input current	Max. 4 A		
		Fuse rating	6.3 A		
	Output	Rated output voltage	Input voltage minus matching-diode drop		
		Rated output current	4 A		
		Overvoltage protection	35 V		
Duplex configuration			Possible (when installed on base module NFBU200)		
Weight			0.6 kg		
Dimensions (W x H x D)			49.7 x 130 x 146.5 mm		

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