VM600 RPS6U

Product Data Sheet

VM600 RPS6U SIM-275D-24 200-582-200-013

Rack Power Supply Unit

DC INPUT RANGE	RATED OUTPUT POWER	POSITIVE 5 V OUTPUT	POSITIVE 12 V OUTPUT
18 to 32 V DC; nominal 24 V DC	**300 W**	**+5 V DC; 35 A maximum**	**+12 V DC; 6 A maximum**

Vibro-Meter VM600 RPS6U SIM-275D-24 200-582-200-013 is a DC-input rack power supply for the VM600 monitoring platform. This earlier 300 W version supplies the internal voltage rails used by compatible rack electronics in machinery protection and condition-monitoring installations.

01 VERIFIED TECHNICAL DATA

DC input range	18 to 32 V DC; nominal 24 V DC
Rated output power	300 W
Positive 5 V output	+5 V DC; 35 A maximum
Positive 12 V output	+12 V DC; 6 A maximum
Negative 12 V output	-12 V DC; 2 A maximum
DC input efficiency	>70%
Output regulation	≤±0.2% at full load
Output ripple	≤50 mV peak-to-peak; 20 MHz bandwidth
5 V overvoltage threshold	5.9 to 6.7 V; factory setting
Power derating	1%/deg C from 60 to 70 deg C

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Operating temperature	-25 to 65 deg C
Storage temperature	-40 to 85 deg C
Relative humidity	≤95%; noncondensing
Vibration withstand	10 to 2000 Hz; 5 g; 2 hours per direction
Shock withstand	100 g; 6 ms

03 DOCUMENTED USE SETTINGS

Power Production and Electricity Generation: Thermal Power and Steam Generation.

Petroleum Production and Gas Processing: Offshore Oil and Gas Production.

Petrochemical Manufacture and Process Production: Petrochemical Production and Refining.

04 SYSTEM COMPATIBILITY

Use VM600 RPS6U SIM-275D-24 200-582-200-013 with a compatible VM600 rack and the DC input arrangement specified for this earlier power supply. Its 24 V nominal input must remain within 18 to 32 V DC.

05 PRODUCT EVIDENCE

Meggitt SA RPS6U data sheet 268-011, version 9, 23.04.2015; pp.1 to 4,12

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**