



SATEC EM235-PM335 Voltage Ratio Module User Manual

[Home](#) » [SATEC](#) » SATEC EM235-PM335 Voltage Ratio Module User Manual 



VRM Module Quick Start Manual



SATEC Voltage Ratio Module
For Direct Current Applications

Contents

- [1 EM235-PM335 Voltage Ratio Module](#)
- [2 VOLTAGE RATIO MODULE CHARACTERISTICS](#)
- [3 ELECTRICAL INSTALLATION](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)

EM235-PM335 Voltage Ratio Module



Mounting, electrical connection and settings of the VRM Module shall be made in accordance with all applicable laws and/or regulations and be performed by authorized personnel only.

SATEC VRM Module is designed for connecting SATEC meters to DC voltage systems above meter rating (800V DC for PM130 PLUS and 800V DC for PRO EM235/PM335) ranging up to 1500V DC.

Dimensions: 127 x 75 x 52 mm

Weight: 80 grams

Installation: DIN-Rail only

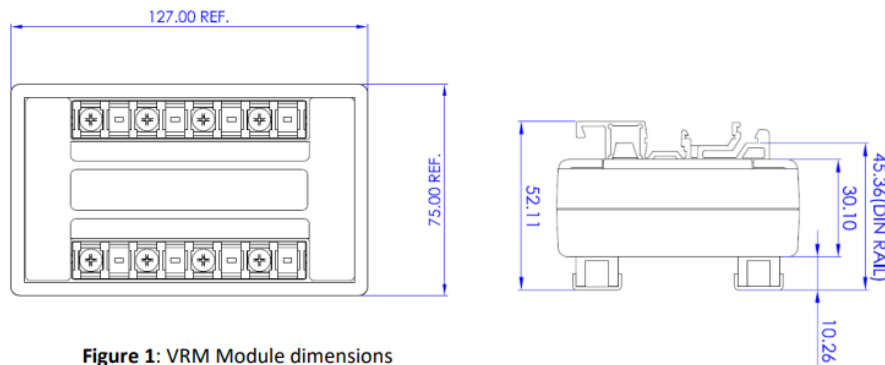


Figure 1: VRM Module dimensions



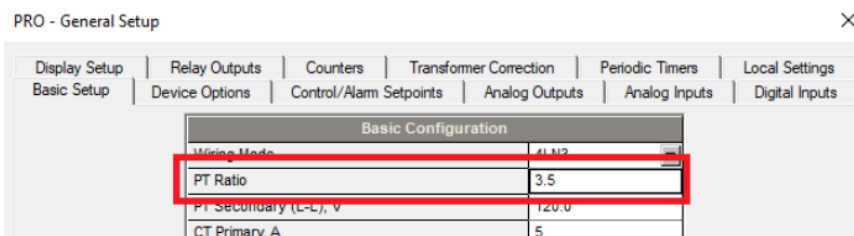
Figure 2: VRM Module

VOLTAGE RATIO MODULE CHARACTERISTICS

- Accuracy = 0.1%
- 3 Independent voltage inputs
- Terminals: Wire size: 12 AWG (up to 3.5 mm²)
- DIN-rail installation

ELECTRICAL INSTALLATION

It is recommended that the distance between the SATEC VRM and SATEC meter should not exceed 2 meters, using cabling featuring minimum 600V insulation.




When using SATEC VRM, the correct ratio coefficient must be set with PAS software software ("Basic Setup" tab):

- Using the PRO Series meters, enter "ratio" = 3.5
- Using the PM130 PLUS, enter "ratio" = 11 Ratio coefficient = 11



VRM Module QuickStart
www.satec-global.com

Documents / Resources

 The image shows the cover of the 'SATEC VRM Module Quick Start Manual'. It features the SATEC logo at the top, followed by the title 'VRM Module Quick Start Manual'. Below the title, it says 'SATEC Voltage Ratio Module For Direct Current Applications'. There is a photograph of the VRM module, which is a black rectangular device with several terminals on the front. At the bottom, there is a warning symbol and some text.	<p>SATEC EM235-PM335 Voltage Ratio Module [pdf] User Manual EM235-PM335 Voltage Ratio Module, EM235-PM335, Voltage Ratio Module, Ratio Module, Module</p>
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References

- [Power Solutions And Commercial Energy Management- SATEC](#)
- [User Manual](#)

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