GRIDGEAR SOLUTIONS LTD
1610 DERWENT WAY #14
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GRID GEAR

MULTI-METER UNIT (MMU), SOLID STATE, kWh METERS FOR SUBMETERING



PRODUCT CODE: GG-MMU

PRODUCT BRIEF

GridGear's GG is a flexible, low cost, revenue grade meter, for the residential, commercial, and institutional market. The meter is UL listed (E489079), ANSI C12.20, 0.5 accuracy class as tested by UL, and designed to provide accurate measurement and verification of electricity consumption. Ease of installation and configuration makes the GG an ideal choice for many submetering applications including, new construction, retrofit upgrades and up to 3 element load monitoring. The meter comes equipped with a display, isolated pulse output and adaptable register output for interfacing to 3rd party pulse counters, recorders, and AMR systems.

GridGear supplies a line of UL approved solid and split core, revenue grade, current transformers that are calibrated with our line of meters to maximize system accuracy.

APPLICATIONS AND FEATURES OF THE GG METER

Each GridGear GG meter, inside the MMU, is designed with the following features and intended applications:

- ANSI C12.20, 0.5 accuracy class as tested by UL
- Measurement and Verification
- Tenant cost allocation and billing
- Energy conservation and cost reduction
- Automatic Meter Reading
- Individually tested for 99.5% accuracy
- Self powered from voltage inputs
- Multi service configurations:
    - 120V Line to Neutral Single Phase 2 Wire
    - 120V Line to Neutral/240V Line to Line Single Phase 3 Wire
    - 120V Line to Neutral/208V Line to Line 3 Phase 4 Wire Wye
- Employs revenue grade accuracy, 100mA secondary solid and split core current transformers (CT's)
- Has an isolated pulse output for integration into 3rd party counters, recorders, and AMR systems
- Factory adjustable pulse weights from 4mWh/pulse to 1kWh/pulse
- UL listed (E489079) as an open style meter for use with different enclosures
- 10 year warranty on GridGear products when installed according to installation instructions

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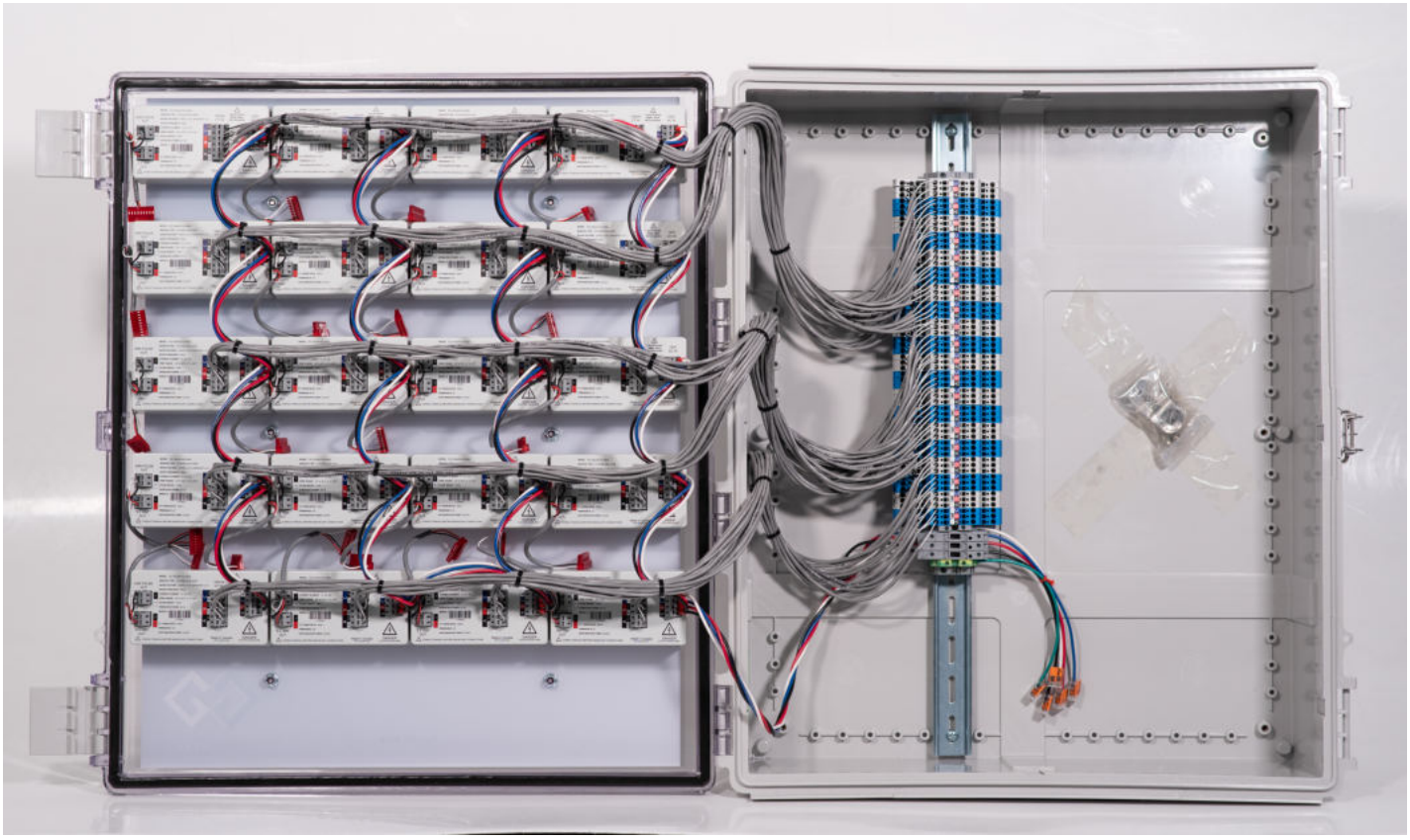
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APPLICATIONS AND FEATURES OF THE MMU

Each GridGear GG-MMU is designed with the following features and intended applications:

- Choice of 2-28 meters per MMU
- UL approved, NEMA rated electrical enclosure at no additional cost per meter
- Indoor and Outdoor enclosures available
- Custom printed enclosure with company logo and colour scheme
- Pre-wired configuration and pre-labelled din rail terminal blocks for ease of installation
- Multi service configurations:
    - 120V Line to Neutral Single Phase 2 Wire
    - 120V Line to Neutral/240V Line to Line Single Phase 3 Wire
    - 120V Line to Neutral/208V Line to Line 3 Phase 4 Wire Wye

INTERNAL PRE-WIRING CONFIGURATION



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MMU PHOTO GALLERY

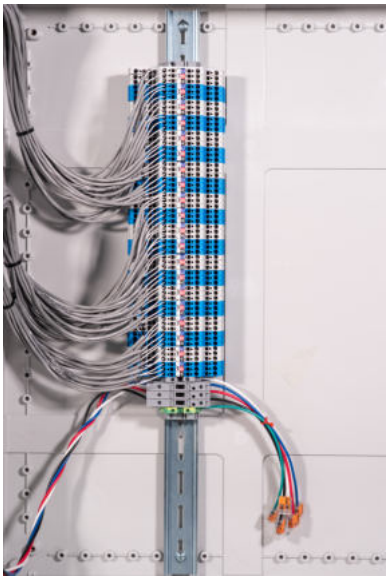
25 Stack MMU

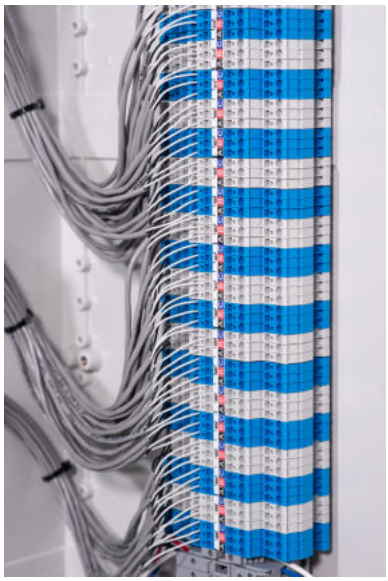


6 Stack MMU

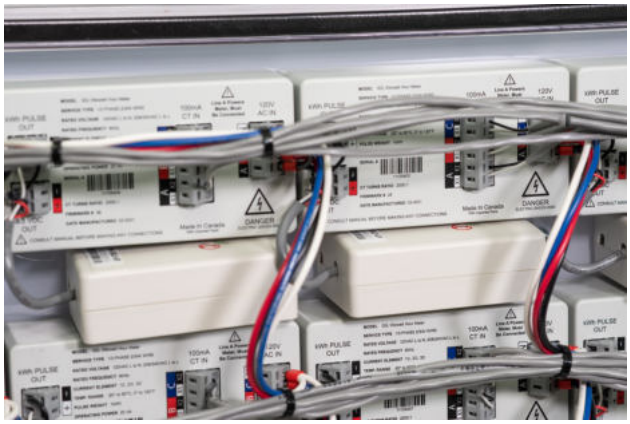


MMUs can be manufactured and pre-wired for various sizes from 2-28 units.





All MMUs are pre-wired with labelled terminal blocks for screwless current transformer connections.



All MMUs are designed with enough space to install third-party transceivers in between the meters. Each meter comes equipped with a pre-attached wire harness for easy connection of transceivers.

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MMU SIZING DIMENSIONS

Each GridGear GG-MMU can be designed with the following sizes (in inches) of UL approved, NEMA electrical enclosures (Height x Width x Depth):

- 2-3 meter MMU - 11.8" x 7.87" x 5.12"
- 4-6 meter MMU - 13.78" x 9.84" x 5.9"
- 7-15 meter MMU - 19.69" x 15.75" x 6.3"
- 16-21 meter MMU - 23.62" x 19.69" x 7.09"
- 22-28 meter MMU - 27.56" x 19.69" x 7.09"

If there are custom size requirements for your application, please inquire to see if alternative enclosure sizes are available for your MMU specifications.