

Revolution Energy
208 Market St. Suite 30
Portsmouth, NH 03801
603.319.8152



DE 12-244

September 13, 2012

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street
Concord, NH 03301
RE: Additional Information for Class II REC eligibility at Exeter WWTP



Dear Director Howland,

Contained in this packet are two copies of the revised application # DE 12-244 for Exeter WWTP. The previously submitted application for Class II REC eligibility required a more basic summary of equipment information for the system, which has now been included. An electronic copy of this revised application has already been sent to Barbara Bernstein. Please do not hesitate to contact me with any comments or concerns regarding this documentation.

Thank you for your time and consideration.

Sincerely,
Bob Lambert
Project Associate
Revolution Energy, LLC
208 Market Street, Ste. 30
Portsmouth, NH 03801
E: bob@rev-en.com
C: 603.767.5913

DISSEMINATED

Class II REC Eligibility Application

Exeter Waste Water Treatment Plant

50Kw Photovoltaic System

Revolution Energy LLC
208 Market St. Suite 30
Portsmouth, NH
03801

Phone: (603) 319-8152
Fax: (603) 590-8640

21. Email address: tom@naturalcapital-llc.com
22. The ISO-New England asset identification number, if applicable: _____ or N/A:
23. The GIS facility code, if applicable: 34314 or N/A:
24. If Class I, please identify type of source below:
 solar hot water heating, wind generation and/or other generation _____
If other type of generation, provide a description. (Attach as "Exhibit A")
25. A list and description of the equipment used at the facility, including the meter and, if applicable, the inverter (Attach as "Exhibit B")
26. A copy of the interconnection agreement pursuant to Puc 307.06, if applicable, between the applicant and the distribution utility. (Attach as "Exhibit C" or N/A)
27. A signed attestation by the owner/applicant that the project is installed and operating in conformance with any applicable building codes. (Attach as "Exhibit D" or N/A)
28. For an installation with electric output, documentation of the applicable distribution utility's approval of the installation. (Attach as "Exhibit E" or N/A)
29. This application and all future correspondence should be sent to:
Ms. Debra A. Howland
Executive Director and Secretary
State of New Hampshire
Public Utilities Commission
21 S. Fruit St, Suite 10
Concord, NH 03301-2429

30. Preparer's Information:

Name: Bob Lambert

Title: Project Associate

Address: (1) 151 High St. #4

(2) _____

(3) _____

Portsmouth

(City)

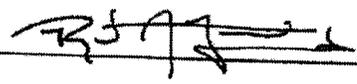
NH

(State)

03801

(Zip Code)

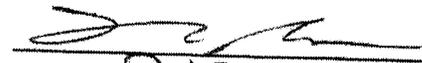
Preparer's Signature: _____



Date: _____

I attest that this project has been installed and is operating in conformance with any applicable building and electrical codes:

Owner's Signature: _____



Date: _____

7-12-12

Notary's Signature: _____



Date: _____

7/12/2012

STEVEN S. SCOTT
Notary Public - New Hampshire
My Commission Expires February 18, 2014

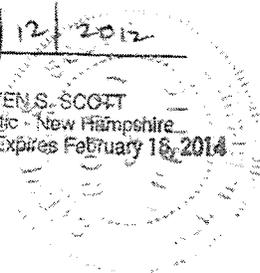


Exhibit B

Equipment Information Summary

Panels

Brand: Kyocera

Type: KD240GX-LPB

#: 208

Output: 240W

Model	Max Power	Voltage at Max Power	Current at Max Power	Maximum System Voltage	Open Circuit Voltage	Short Circuit Current	Series Fuse Rating	Dimension (LxWxD)	Weight
KD240 GX-LPB	240 Watts	29.8 Volts	8.06 Amps	600V	36.9Volts	8.59Amps	15 Amps	65.43"x39"x1.8"	46.3 lbs

Inverter

Brand: PV Powered

Type: PVP50KW Grid Tied Inverter

#: 1

Output: 50KW

Meter

Brand: Shark 100

Type: Inverter Integrated

#: 1

Output: N/A

Rating: Revenue Grade



KD 200-60 P Series

KD230GX-LPB KD235GX-LPB KD240GX-LPB KD245GX-LPB

CUTTING EDGE TECHNOLOGY

As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's Kaizen Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

QUALITY BUILT IN

- UV stabilized, aesthetically pleasing black anodized frame
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation
- Proven junction box technology with 12 AWG PV wire to work with transformerless inverters
- Quality locking MC4 plug-in connectors to provide safe and quick connections

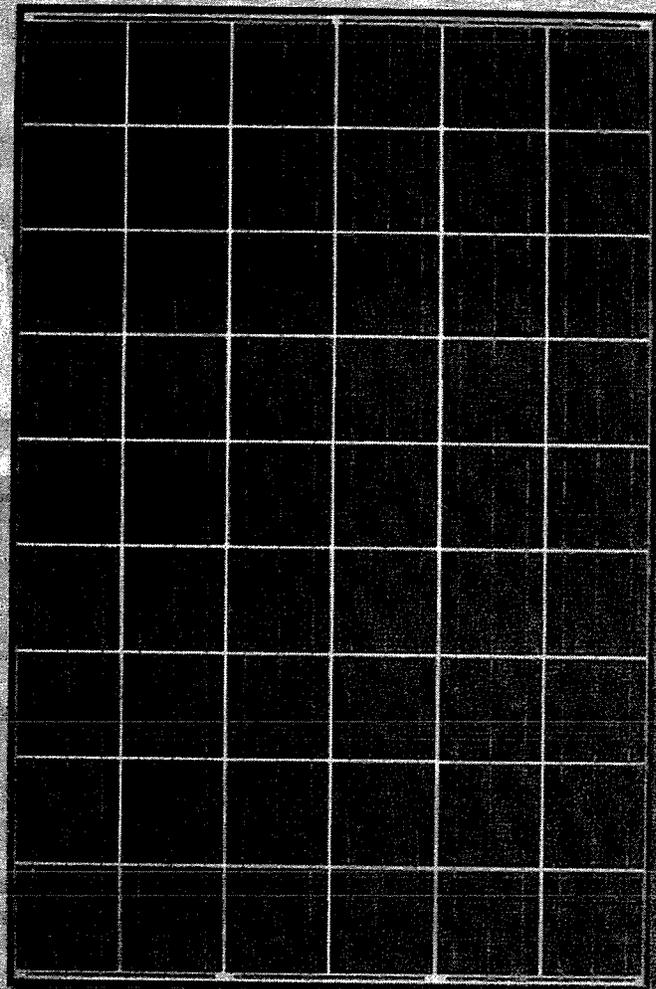
RELIABLE

- Proven superior field performance
- Tight power tolerance
- Only module to pass rigorous long-term testing performed by TÜV Rheinland



WARRANTY

- Kyocera standard 20 year power output warranty and 5 year workmanship warranty applies in USA
- Extended warranties available per project requirements
- Kyocera standard 20 year power output warranty and 2 year workmanship warranty applies outside of USA
- Refer to Kyocera warranty policy for details



UL Listing
QIGU.E173074



Registered to ISO9001-2000

NEC 2008 Compliant, UL 1703, ISO 9001, and ISO 14001
UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC
Certified IEC61215 Ed 2 IEC61730 by JET



QUALIFIED FOR "BUY AMERICAN"
Manufactured in San Diego, California

SOLAR by KYOCERA

ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC):
STC = 1000 W/m² irradiance, 25°C module temperature, AM 1.5 spectrum

	KD230GX-LPB	KD235GX-LPB	KD240GX-LPB	KD245GX-LPB	
--	-------------	-------------	-------------	-------------	--

P_{mp}	230	235	240	245	W
V_{mp}	29.8	29.8	29.8	29.8	V
I_{mp}	7.72	7.89	8.06	8.23	A
V_{oc}	36.9	36.9	36.9	36.9	V
I_{sc}	8.36	8.55	8.59	8.91	A
$P_{tolerance}$	+5/-3	+5/-3	+5/-3	+5/-3	%

Nominal Operating Cell Temperature Conditions (NOCT):
NOCT = 800 W/m² irradiance, 25°C ambient temperature, AM 1.5 spectrum

T_{NOCT}	45	45	45	45	°C
P_{max}	165	169	172	176	W
V_{mp}	26.8	26.8	26.7	26.8	V
I_{mp}	6.18	6.31	6.45	6.58	A
V_{oc}	33.7	33.7	33.7	33.7	V
I_{sc}	6.77	6.92	6.95	7.21	A
PTC	208.0	212.6	217.3	219.1	W

Temperature Coefficients

P_{max}	-1.04	-1.07	-1.10	-1.12	W/°C
V_{mp}	-0.153	-0.154	-0.154	-0.155	V/°C
I_{mp}	0.000502	0.000513	0.000515	0.000535	A/°C
V_{oc}	-0.133	-0.133	-0.133	-0.133	V/°C
I_{sc}	0.00502	0.00513	0.00515	0.00535	A/°C

Operating Temp	-40 to +90	-40 to +90	-40 to +90	-40 to +90	°C
----------------	------------	------------	------------	------------	----

System Design

Series Fuse Rating	15A
Maximum DC System Voltage (UL)	600 V
Hail Stone Impact	1in (25mm) @ 51mph (23m/s)

NEC 2008 COMPLIANT
 UL 1703 LISTED
 CERTIFIED IEC61215 ED2 IEC61730 BY IET
 KYOCERA reserves the right to modify these specifications without notice.
 033111



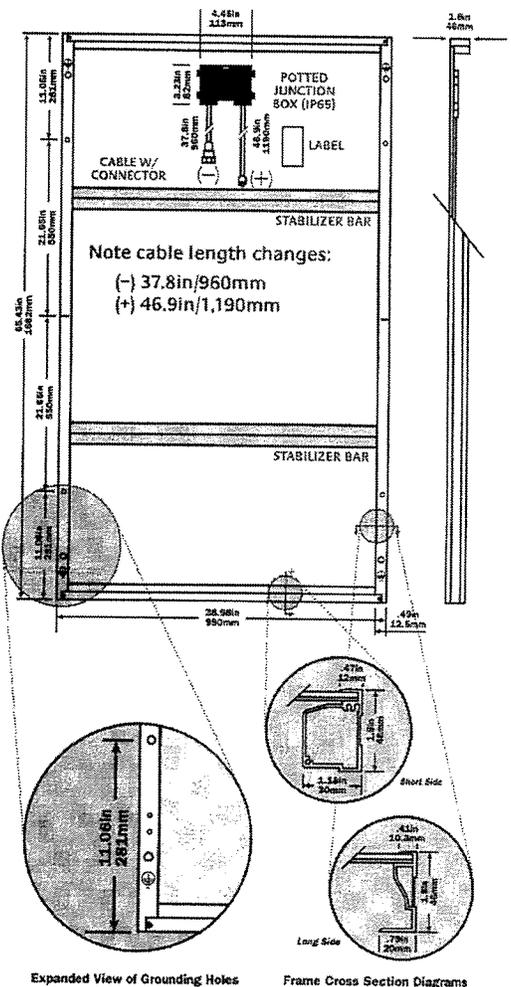
WARNING: Read the instruction manual in its entirety before handling, installing, and operating Kyocera Solar modules.

MODULE CHARACTERISTICS

Dimensions: length/width/height	65.43in/38.98in/1.8in (1662mm/990mm/46mm)
Weight:	46.3lbs (21.0kg)

PACKAGING SPECIFICATIONS

Modules per pallet:	20
Pallets per 53' container:	36
Pallet box dimensions: length/width/height	66.54in/39.76in/47.24in (1690mm/1010mm/1200mm)
Pallet box weight:	1102.5lbs (500kg)



OUR VALUED PARTNER

INVERTER



PV Powered solaron siteguard

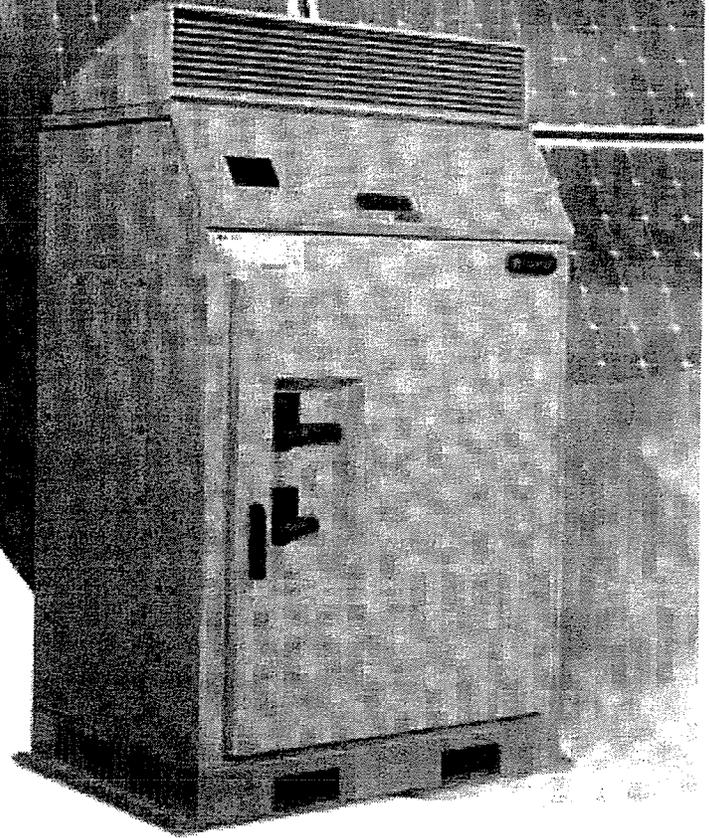
PVP35kW and PVP50kW

Three-Phase inverter solutions for small commercial projects

The all new 35kW and 50kW commercial inverters feature the same industry leading reliability, efficiency, ease of installation, and lifetime maintainability of PV Powered's larger commercial inverters. These two models are sized to serve smaller PV system designs, or to provide the perfect fit to complete a larger PV system. In addition, the 35kW and 50kW deliver the highest efficiency in their class and rival the efficiency of much larger inverters.

High reliability is enabled by a ground-up design for 20+ year operating life that features busbar power connections, card cage circuit board design, and the widest temperature rating of any inverter in its class. The highly integrated system saves installers time and money by including load-rated AC & DC service disconnects, neutral-free installation, oversized busbar landings and generous cable bending area. The 35kW and 50kW have a 295VDC minimum MPPT voltage that enables the stringing flexibility that is critical for smaller rooftop projects.

Advanced Energy backs all its commercial inverters with an industry-leading 10-year nationwide warranty and an optional 20-year warranty; plus the most responsive service and support team in the business.



Superior Reliability

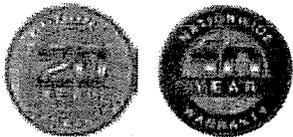
- Designed for 20+ year operating life
- Smart Air Management™
- Low parts count reduces potential failure points
- Card cage circuit board system minimizes electronic interconnections

Exceptional Installability

- Bottom and side cable entry with generous bending area and oversized busbar landings
- Customizable subcombiner fusing options
- Full power output at 295 VDC enables more PV array design options
- Exterior mounting flanges for fast and easy anchoring with no pre-drilling

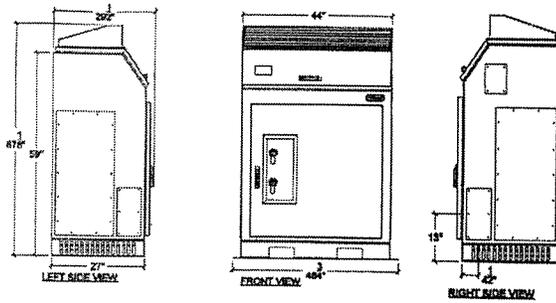
Easy to Maintain

- All maintenance and service via front access
- Fast change circuit board system shortens service time
- Load-rated AC and DC service disconnects
- Dedicated monitoring section separate from AC and DC modules

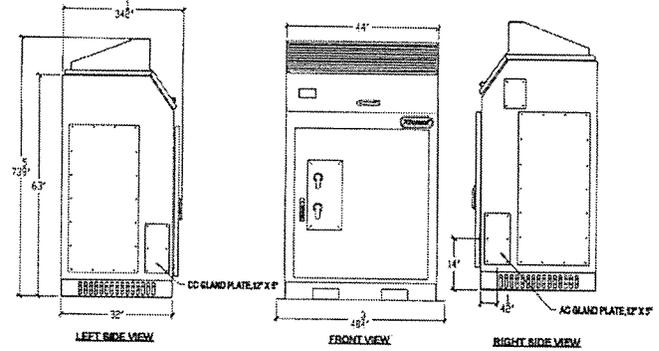


ONTARIO FEED IN TARIFF DOMESTIC CONTENT COMPLIANT

Dimensions PVP 35kW



PVP 50kW



Electrical Specifications

Model	PVP 35kW	PVP 50kW
Continuous Output Power (kW)	35	50
Peak Efficiency (%)	97.0	97.3%
Weighted CEC Efficiency (%)	208: 95.5% 480: 96.0% 600: 95.5%	208: 96.0% 480: 96.0% 600: 96.0%
Maximum DC Input Voltage (VOC)	600	600
DC Peak Power Tracking Range (VDC)	295 - 595	295 - 595
DC Imp Nominal Current (A)	125	178
AC Nominal Voltage (V)	208V, 480V, 600V	208V, 480V, 600V
AC Operating Range (V)	208: 183 - 228 480: 422 - 528 600: 528 - 660	208: 183 - 228 480: 422 - 528 600: 528 - 660
AC Frequency Range (Hz)	59.3 - 60.5	59.3 - 60.5
AC Maximum Continuous Current (A)	208: 100 480: 43 600: 35	208: 141 480: 61 600: 49
Standby Losses (W)	33	33
Harmonic Distortion (%THD)	<3	<3
Power Factor	>99	>99

Options

- Subcombiner fusing
- Integrated data monitoring solutions
- Integrated revenue grade meter
- Stainless Steel (PVP50kW only)
- Positive ground
- Preventative maintenance program
- 20-year extended warranty

Agency Approvals

UL 1741, IEEE519, IEEE929,
IEEE1547, CSA 107.1-1,
FCC Class A

Mechanical Specifications

Model	PVP 35kW	PVP 50kW
Enclosure	NEMA 4	NEMA 4
Construction	Powder Coated Steel	Powder Coated Steel Optional Stainless Steel
Mounting	Pad Mount	Pad Mount
Weight (lbs)	1200	1500
Cooling	Forced Convection	Forced Convection
Operating Temperature Range (°C)	-30 to 50	-30 to 50
Standby/Storage Ambient Temperature Range (°C)	-40 to 60	-40 to 60
Isolation Transformer	Yes	Yes
Declared dual number noise emission values in accordance with ISO 4871 (dBA)3"	Full load at 6 ft=54 dBA Full load at 50ft=44 dBA	Full load at 6 ft=54 dBA Full load at 50ft=44 dBA

* dBA=decibels measured according to A-weighted time average sound pressure level. The uncertainty value (K) = 3 dBA.

Specifications are subject to change without notice.



Advanced Energy Industries, Inc. • 20720 Brinson Blvd, PO Box 7348 • Bend, 97708 OR U.S.A.
T: 877.312.3832 • sales.support@aei.com • www.advanced-energy.com/en/usa
Please see www.advanced-energy.com for worldwide contact information.

© Advanced Energy Industries, Inc. 2011
All rights reserved. Printed in U.S.A.
55-600100-67DO 04/6/11



SHARK® 100

MULTIFUNCTION POWER AND ENERGY METER

Revenue Grade

New Ethernet
TCP/IP Option



Features

- 0.2% Class Energy and Demand Metering
- Measurements including Voltage, Current, Power, Frequency, Energy, etc.
- Optional KYZ Pulse and Standard IRDA, RS485, and Modbus
- Power Quality Measurements (%THD and Alarm Limits)
- V-Switch™ Technology - Field Upgrade without Removing Installed Meter
- Large Bright Red LED Display
- % of Load Bar for Analog-Meter-Perception
- Optional RS485 Modbus and DNP 3.0 Protocols
- Optional 100BaseT Ethernet
- Fits Both ANSI and DIN/Cut-Outs
- Available in a Transducer-Only Version

Applications

- Utility Metering
- Commercial Metering
- Substations
- Industrial Metering
- Power Generation
- Campus Metering
- Submetering
- Analog Meter Replacement

Introduction

Electro Industries introduces one of the industry's highest performance revenue grade panel meters. Based on an all new platform, this low-cost meter significantly outperforms other devices many times its price. This unit is perfect for new metering applications and as a simple replacement for existing analog meters. The Shark®

meter excels in metering energy accurately, exceeding ANSI C12.20 (0.2%) and IEC 62053-22 (0.2%) energy measurement standards. The unit utilizes high speed DSP technology with high resolution A/D conversion to provide revenue certifiable accuracy for Utility Billing, Substation Metering, Submetering and Critical Metering applications.

High Performance and Economical Pricing for High Volume Deployment

www.electroind.com



Electro Industries/GaugeTech

The Leader in Power Monitoring and Smart Grid Solutions



UL
LISTED



SHARK® 100 METER

Superior Accuracy and Virtual Upgrade Switches

V-Switch™ Technology

The Shark® 100 meter is equipped with EIG's exclusive V-Switch™ technology. This technology allows users to upgrade and add features as needed by using communication commands, even after the meter is installed.

Available V-Switches:

- V-Switch 1 – Volts and Amps Meter – Default
- V-Switch 2 – Volts, Amps, kW, kVAR, PF, kVA, Freq.
- V-Switch 3 – Volts, Amps, kW, kVAR, PF, kVA, Freq, kWh, kVAh, kVARh and DNP 3.0
- V-Switch 4 – Volts, Amps, kW, kVAR, PF, kVA, Freq, kWh, kVAh, kVARh, %THD Monitoring, Limit Exceeded Alarms and DNP 3.0

Traceable Watt-Hour Test Pulse for Accuracy Verification

The Shark® 100 device is a traceable revenue meter. It contains a utility grade test pulse allowing power providers to verify and confirm that the meter is performing to its rated accuracy. This is an essential feature required of all billing grade meters.

Additional Features Include:

- Utility Block and Rolling Average Demand
- Adjustable Demand Profiles
- Max and Min Available on Most Other Parameters
- Voltage Provides Instantaneous Max and Min for Surge and Sag Limits

Advanced Communication Capability with IrDA Interface

The Shark® 100 meter provides two independent communication ports with advanced features.

Back Mounted Communication Port with KYZ Pulse

- RS485 (Option 485P) – This port allows RS485 communication using Modbus or DNP 3.0 Protocols. Baud rates are from 9600 to 57.6k.
- KYZ Pulse – In addition to the RS485, the meter also includes a KYZ pulse mapped to positive energy. This is a fixed energy pulse. Pulse values are:

Voltage Level	Class 10 Models	Class 2 Models
Below 150V	0.2505759630	0.0501151926
Above 150V	1.0023038521	0.2004607704

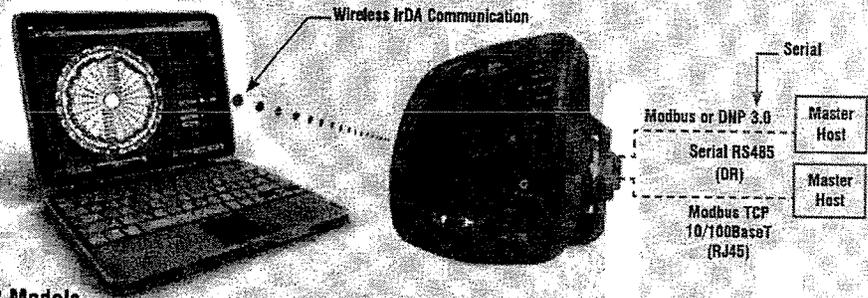
Optional 10/100BaseT Ethernet

Ethernet (Option INP10) – 10/100BaseT Ethernet with Modbus TCP protocol.

Measured Parameters	Accuracy % of Reading	Display Range
Voltage L-H	0.1%	0-9999 Scalable V or kV
Voltage L-L	0.1%	0-9999 V or kV Scalable
Current	0.1%	0-9999 Amps or kAmps
+/- Watts	0.2%	0-9999 Watts, kWatts, MWatts
+/-Wh	0.2%	5 to 8 Digits Programmable
+/-VARs	0.2%	0-9999 VARs, kVARs, MVARs
+/-VARh	0.2%	5 to 8 Digits Programmable
VA	0.2%	0-9999 VA, kVA, MVA
VAh	0.2%	5 to 8 Digits Programmable
PF	0.2%	+/- 0.5 to 1.0
Frequency	0.01 Hz	45 to 65 Hz
%THD	5.0%	0 to 100%
% Load Bar	1-120%	10 Digit Resolution Scalable

Note: Typical results are more accurate. Applies to 3 Element WYE and 2 Element Delta Connections. Add 0.1% of Full Scale plus 1 digit to Accuracy specs for 2.5 Element connections.

Measured Values	Real-Time	Avg	Max	Min
Voltage L-H	•	•	•	•
Voltage L-L	•	•	•	•
Current Per Phase	•	•	•	•
Watts	•	•	•	•
VA	•	•	•	•
VA	•	•	•	•
PF	•	•	•	•
+Watt-hr	•	•	•	•
-Watt-hr	•	•	•	•
Watt-hr net	•	•	•	•
+VAR-hr	•	•	•	•
-VAR-hr	•	•	•	•
VAR-hr net	•	•	•	•
VA-hr	•	•	•	•
Frequency	•	•	•	•
%THD	•	•	•	•
Voltage Angles	•	•	•	•
Current Angles	•	•	•	•
% of Load Bar	•	•	•	•



Front Mounted IrDA Communication

Uniquely, the Shark® meter also has an optical IrDA port, allowing the unit to be set up and programmed using a remote laptop PC without need for a communication cable. To configure the meter, just point at it with an IrDA-equipped PC.

Rugged and Safe Voltage and Current Inputs

The Shark® 100 meter is ruggedly designed for harsh electrical applications in both high voltage and low voltage power systems. This is especially important in Power Generation, Utility Substation and Critical User applications. The structural and electrical design of this meter was developed based on the recommendations and approval of many of our utility customers.

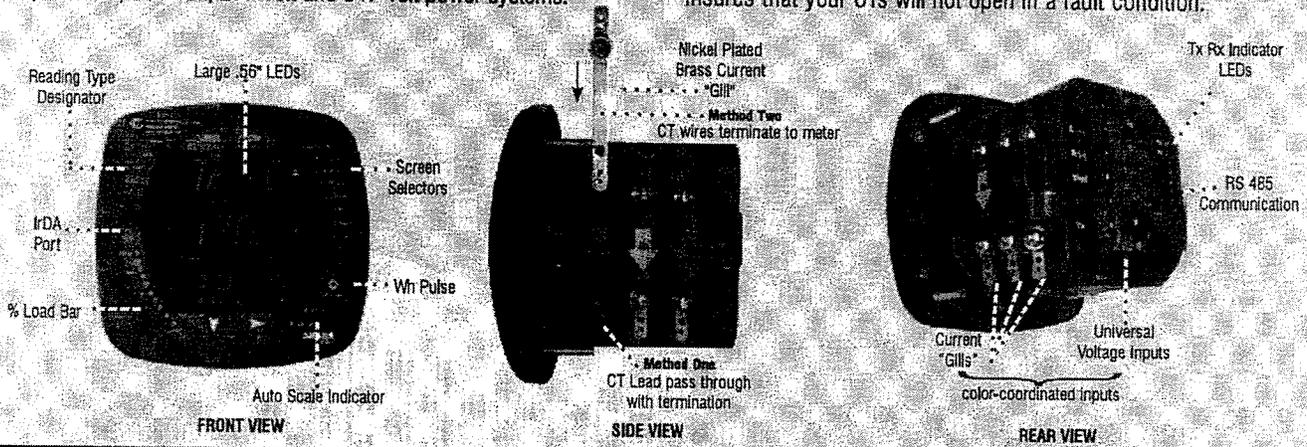
High Isolation Universal Voltage Inputs

Voltage inputs allow measurement of up to 416 Volts Line to Neutral and 721 Volts Line to Line. This insures proper meter safety when wiring directly to high voltage systems. One unit will perform to specification on 69 Volt, 120 Volt, 230 Volt, 277 Volt and 347 Volt power systems.

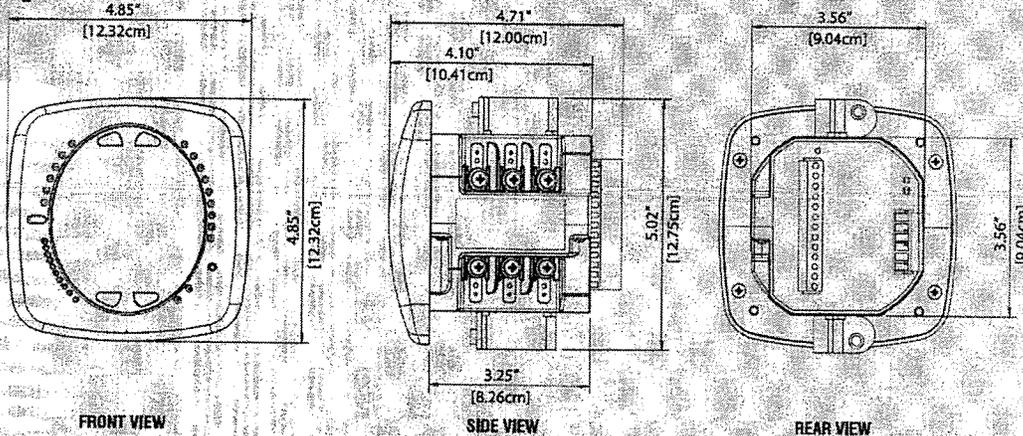
Short Circuit Safe Current Inputs

Current inputs use a unique dual input method:

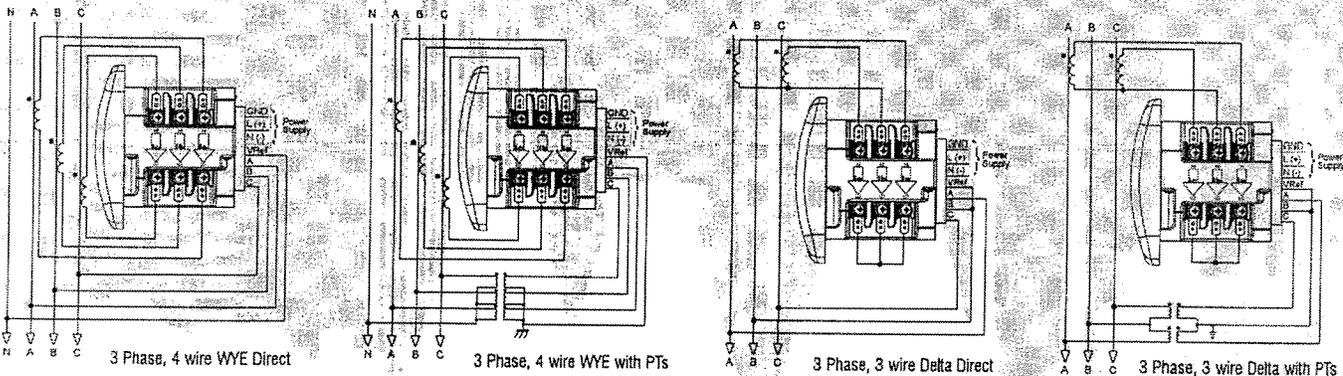
- **Method One** – CT Lead Pass Through. The CT Lead passes directly through the meter without any physical termination on the meter. This insures that the meter cannot be a point of failure on the CT circuit. This is preferable to utility users when sharing relay class CTs. No Burden is added to the secondary CT circuit.
- **Method Two** – Current "Gills." This unit additionally provides ultra-rugged termination pass-through bars, allowing the CT leads to be terminated on the meter. The Shark® meter's stud-based design insures that your CTs will not open in a fault condition.



Dimensional Drawings



Wiring Diagrams



SHARK® 100 METER

Easy to Use and Install

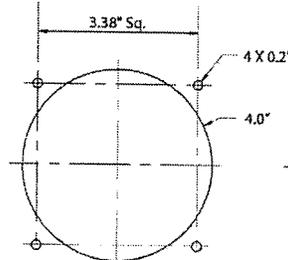
From user interface to mechanical construction, the Shark® 100 Meter was designed to be easy and intuitive, so an installer with minimal meter experience and training can easily install and use this product.

- Easy to use faceplate programming
- PC setup
- Phasor diagram showing wiring status
- Auto scroll feature
- Analog style % of Load Bar
- Shallow panel depth
- Color coordinated voltage and current inputs

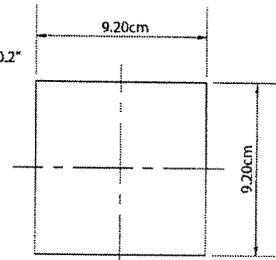
Shark® 100 meter ANSI and DIN Mounting

The unit mounts directly in an ANSI C39.1 (4" round form) or an IEC 92mm DIN square form. This is perfect for new installations and for existing panels. In new installations, simply use DIN or ANSI punches.

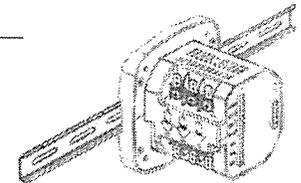
- Perfect for switchgear panel direct retrofits
- Mounts in only 4.25" panel depth
- Uses minimal panel space
- Uses standard CT or PT wiring



ANSI Mounting



DIN Mounting



Shark® 100T - DIN Rail Mounted Transducer

Specifications

Voltage Inputs

- 20-416 Volts Line To Neutral, 20-721 Volts Line to Line
- Universal Voltage Input
- Input Withstand Capability – Meets IEEE C37.90.1 (Surge Withstand Capability)
- Programmable Voltage Range to Any PT ratio
- Supports: 3 Element WYE, 2.5 Element WYE, 2 Element Delta, 4 Wire Delta Systems
- Burden: 0.36VA per phase Max at 600V, 0.014VA at 120 Volts
- Input wire gauge max (AWG 12 / 2.5mm²)

500 Amps for 1 Second.

- Programmable Current to Any CT Ratio
- Burden 0.005VA per phase Max at 11Amps
- 5mA Pickup Current
- Pass through wire gauge dimension: 0.177" / 4.5mm
- Continuous current withstand: 20 Amps for screw terminated or pass through current connections

Isolation

All Inputs and Outputs are galvanically isolated to 2500 Volts AC.

Environmental Rating

Storage: (-20 to +70)* C

Operating: (-20 to +70)* C

Humidity: to 95% RH Non-Condensing

Faceplate Rating: NEMA12 (Water Resistant)

Mounting Gasket Included

Sensing Method

- RMS
- Sampling at 400+ Samples per Cycle on all channels measured readings simultaneously
- Harmonic %THD (% of Total Harmonic Distortion)

Update Rate

- Watts, VAR and VA-100msec
- All other parameters-1second

Power Supply

Option D2:

- (90 to 265) Volts AC and (100 to 370) Volts DC, Universal AC/DC Supply

Option D:

- 18-60VDC

Burden: 10VA max.

Communication Format

- 2 Com Ports (Back and Faceplate)
- RS485 Port (Through Backplate)
- IrDA (Through Faceplate)

- 10/100BaseT Ethernet Modbus TCP (INP10)
- Com Port Baud Rate: (9600 to 57600)
- Com Port Address: 0-247
- 8 Bit, No parity
- Modbus RTU, ASCII or DNP 3.0 Protocols

KYZ Pulse

- Type Form A
- On Resistance: 23-35 Ohm
- Peak Voltage: 350 VDC
- Continuous Load Current: 120 mA
- Peak Load Current: 350mA (10ms)
- Off Stal Leakage Current @ 350VDC: 1 mA
- Opto-Isolation: 3750V (60Hz, 1min)

Dimensions and Shipping

- Weight: 2 lbs
- Basic Unit: H4.85 x W4.85 x L4.25

- Shark100 – mounts in 92mm DIN and ANSI C39.1 4" Round Cut-outs
- Shark100T-DIN rail mounted transducer
- Shipping Container Dimensions: 6" cube

Meter Accuracy

- See page 2

Compliance:

- IEC62053-22 (0.2% Accuracy)
- ANSI C12.20 (0.2% Accuracy)
- ANSI (IEEE) C37.90.1 Surge Withstand
- ANSI C62.41 (Burst)
- EN61000-6-2 - Immunity for Industrial Environments: 2005
- EN61000-6-4 - Emission Standards for Industrial Environments: 2007
- EN61326-1 - EMC Requirements: 2006

Ordering Information: To order, please fill out ordering guide:

Model	Frequency	Current Range	Power Supply	COM	Mounting (Shark100 Only)
Option Numbers:	-	-	-	-	-
Example: Shark 100	60	10	V2	D2	X
Shark100 (Meter/Transducer)	50 Hz System	10% 3 Amp Secondary	V1 Default V-Switch Volts / Amps	D2 (90-265)VAC or (100-370)VDC	X No Com ANSI Mounting
Shark100T (Transducer Only)	60 Hz System	2 1 Amp Secondary	V2 Above with Power & Freq	D 18-60V DC	48SP RS485+ Pulse (Standard in Shark's 100T Transducer) DIN Mounting Brackets
			V3 Above with Energy Counters	INP10 10/100BaseT + Pulse	
			V4 Above with %THD & Limits		

Additional Accessories

Communication Converters

9PIN0 - RS232 Cable

GAB5490 - USB to IrDA Adapter

Unicom 2500 - RS485 to RS232 Converter

Unicom 2500-F - RS485 to RS232 to Fiber Optic Converter

Modem Manager, Model # MM1 - RS485 to RS232 Converter for Modem Communication

Compliance Documents

Certificate of Calibration, Part # CCal - This provides Certificate of Calibration with NIST traceable Test Data.



Electro Industries/GaugeTech

1800 Shames Drive • Westbury, NY 11590

1-877-EIMETER (1-877-346-3837) Tel: 516-334-0870 • Fax: 516-338-4741 • E-Mail: sales@electroind.com • www.electroind.com

Exhibit C



6/20/2012

Mr. Clay Mitchell
Revolution Energy, LLC
2 Washington St.
Suite 206
Dover, NH 03820

Re: Interconnection Exeter Waste Water Treatment Facility

Dear Clay:

This letter is to notify you that we have tested the customer owned generator and the inverter system at the Exeter waste water treatment facility located at 13 Newfields Rd. in Exeter.

We have replaced the existing meter with a "net meter" and you are now authorized to energize your PV system and interconnect to the Unitil electric system.

Please call me with any questions or concerns at 603-294-5123 or by email at noonis@unitil.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Tim Noonis", with a long horizontal flourish extending to the right.

Tim Noonis
Sr. Business Development Executive

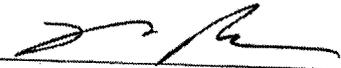
Corporate Office

6 Liberty Lane West
Hampton, NH 03842-1720

Phone: 603-772-0775
www.unitil.com

Exhibit D

I attest that this project has been installed and is operating in conformance with any applicable building and electrical codes:

Owners Signature: 

Date: 7-12-12

Exhibit E



5/16/2012

Mr. Jon Spencer
Revolution Energy, LLC
2 Washington St., Suite 206
Dover, NH 03820

Re: Exeter waste water treatment facility

Dear Jon:

This letter is to notify you that your application to install a renewable energy generator at the Exeter waste water treatment plant in Exeter, NH has been deemed complete and you are approved to install the generator.

Please note, this is **not** an approval to interconnect with the Unitil system.

I have enclosed the "Certificate of Completion" document which will need to be completed and signed by the local wiring inspector before you can interconnect to the Unitil system.

Once we have received the "Certificate of Completion", we will schedule an appointment to replace the existing meter with a "net metering" meter.

Please return the "Certificate of Completion" document to me (scanned, faxed or mailed in fine). The mailing address is 325 West Rd. in Portsmouth, NH 03801. My email is noonis@unitil.com and my fax is 603-294-5223.

If you have any questions, please feel free to call me at 603-294-5123.

Warmest Regards,

Tim Noonis
Sr. Bus. Dev. Executive

Corporate Office

6 Liberty Lane West
Hampton, NH 03842-1720

Phone: 603-772-0775

Fax: 603-773-6606

Email: corp@unitil.com