



January 29, 2025

Town of Williston Selectboard
Town of Williston Planning Commission
Chittenden County Regional Planning Commission
ePUC Statutory Entities
Adjoining Landowners
Host Landowner

Re: Section 248 Permitting Process; **Williston H Solar, LLC's 45-Day Notice to Persons and Entities Entitled to Notice Pursuant to Public Utility Commission Rule 5.402(A), for a Proposed 2.75 MW AC Solar Array off Chip Alley in Williston, Vermont.**

To whom it may concern:

Williston H Solar, LLC (Petitioner), is pleased to provide you with this 45-Day Notice in advance of filing a petition for a Certificate of Public Good with the Vermont Public Utility Commission ("Commission" or "PUC"), for a 2.75 MW solar array to be known as the "Williston H Solar Project" (Project). The Petitioner proposes to construct the Project on GlobalFoundries property located off Chip Alley in Williston, Vermont (Site). This notice is provided in accordance with 30 VSA § 248, Vermont Statutes Annotated (Section 248), and Commission Rule 5.402.

Pursuant to Commission Rule 5.402, the following letter includes information sufficient to understand the overall Project, including the facility's location, a Project description, site plan, description of how the Petitioner plans to transport equipment and materials to the Site, and a preliminary identification and analysis of potential aesthetic and environmental impacts. This letter also describes the rights of the noticed parties to comment on the Project plans and participate in the Section 248 review process.

This letter contains descriptions of the following:

- I. 30 V.S.A. § 248 Process Information;
- II. Project Description;
- III. Site Selection
- IV. Site Location and Project Boundaries
- V. Construction and Transportation
- VI. Preliminary Assessment of Environmental and Aesthetic Impacts;
- VII. Project Benefits;
- VIII. Expected Filing Date.

Included as attachments to this letter are:

- I. Location Map / Preliminary Site Plan

- II. Preliminary Natural Resources Map
- III. Representative Equipment Specifications

I. 30 V.S.A. Section 248 Petition and Notice

The state permitting process for electric generation facilities, PUC Rule 5.402, requires the Petitioner to provide notice to certain entities and persons identified in that rule 45-days prior to a formal filing with the PUC. These notices include:

Each planning commission has the right under 30 V.S.A. § 248(f)(1)(C) to submit recommendations to the Petitioner within 40 days of the Petitioner's submittal to the planning commissions. Each municipal and regional planning commission has the right under 30 V.S.A. § 248(f)(1)(A) to convene a public hearing on the proposed petition.

The Petitioner's application to the Commission must address any written comments provided to the Petitioner in response to the 45-day advance submission that are related to the Section 248(b) criteria and any oral comments related to those criteria made at a public hearing conducted pursuant to 30 V.S.A. § 248(f)(1)(A).

Under 30 V.S.A. § 248(f)(1)(D), each planning commission has the right to make recommendations to the Commission after a petition is filed. The Commission will give due consideration to any such recommendations. Recommendations made to the Commission pursuant to this subsection, or the lack of such recommendations, shall not preclude municipal and regional planning commissions and municipal legislative bodies from exercising their right to appear as parties pursuant to 30 V.S.A. § 248(a)(4)(G)-(I).

Please send all recommendations during this 45-Day notice period to:

Vermont Public Utility Commission
c/o Clerk of the Commission
112 State Street
Montpelier, VT 05620-2701

AND

Encore Renewable Energy
Attn: Jake Clark
50 Lakeside Avenue, #110
Burlington, VT 05401
Tel: (802) 861-3023
jake@encorerenewableenergy.com

For additional information regarding this process, including the Public's right to participate in the Public Utility Commission proceeding, please refer to the "Public

Participation and Intervention in Proceedings Before the Public Utility Commission,” found on the Commission’s website at <https://puc.vermont.gov/document/public-participation-and-intervention-proceedings-public-utility-commission>.

Because the Petitioner plans to file the petition under Section 248, please see the Commission’s Section 248 procedures document, found on the Commission’s website at <https://puc.vermont.gov/document/section-248-procedures>.

II. Project Description

The Petitioner is proposing a 2.75 MW AC solar project on GlobalFoundries property located off Chip Alley in Williston, Vermont, on tax parcel ID 04-010-027-000. The array will occupy roughly 12 acres of the greater 440-acre parcel. The electricity generated by this Project will flow to the GlobalFoundries Power (GF Power) electric grid.

The Site location, array footprint, and approximate property boundaries are shown in the preliminary site plan attached as Exhibit 1. Chip Alley runs to the south of the Project Site and Redmond Road runs to the southeast of the Project Site. In summary, the Project will consist of:

- Approximately 6,288 solar panels installed on ground-mounted racking systems across roughly 12 acres of the Site:
 - Coated with non-reflective glazing;
 - Approximately 10-15 feet off the ground at their highest point.
 - Modules are to be mounted on fixed tilt racking systems with rows running east-west.
- A network of string inverters dispersed across the array connected with underground cables installed in protective conduit;
- A 3250 kVA pad-mounted transformer;
- A 7-8 ft agricultural style perimeter fence;
- Temporary staging area for delivery and short-term storage of materials;
- Interconnection directly into an existing Green Mountain Power pole on Redmond Road; and
- Construction of an access drive off Redmond Road.

III. Site Selection

This Site was selected because of the Site’s proximity to substation infrastructure, access to transmission infrastructure, even topography, and limited environmental impacts.

The Petitioner worked with its consultants to configure the Project in a way that would maximize the potential energy generation benefits while minimizing environmental and aesthetic impacts. The Petitioner will continue working with all stakeholders prior to filing the CPG petition and thereafter to address any concerns.

IV. Construction & Transportation

The Petitioner proposes to deliver materials for the Project using trucks and state and local roads, which are accustomed to the type of traffic representative of the proposed daily delivery of materials. Deliveries will be made to a temporary construction staging area on the Site. The majority of transportation activity will occur during the construction phase, which would last between three and five months.

The Project is not expected to require oversize or overweight deliveries. Access to and from the Site will be restricted by perimeter fencing in order to secure the Site and prevent the public from entering the facility. All equipment associated with the Project will be installed in accordance with all applicable regulations and electrical codes.

V. Preliminary Impact Assessment

i. Aesthetics

In preparation for this 45-Day Notice, the Petitioner engaged T.J. Boyle Associates of Burlington, Vermont to perform a preliminary review of potential aesthetic impacts resulting from the Project. The Project is proposed within existing open fields on the GlobalFoundries property in Williston, Vermont. Public views of the proposed array structures will likely only be from a limited portion of Redmond Road as it passes southeast of the Project, if at all. Visibility is not expected from other publicly accessible locations.

Overall, preliminary review from T.J. Boyle Associates indicates that the Project will be significantly screened from surrounding locations, will not require landscape mitigation measures, and will not result in undue impacts to the aesthetic and scenic and natural beauty of the area. In preparation for the CPG application for the Project, the Petitioner will continue to engage with T.J. Boyle Associates of Burlington, Vermont, to perform a review of potential aesthetic impacts resulting from the Project. The Petitioner will file the T.J. Boyle aesthetic report with the complete petition.

ii. Environmental

The Petitioner has engaged VHB, Inc. to perform preliminary due diligence as well as detailed natural resource assessments and delineations, including from both database and field surveys. The Petitioner will provide the results of VHB's studies in the submitted petition.

The Project is located within an existing open crown of land between two forested drainages that have not been regularly mowed so portions of the field are in early stages of regeneration to shrub and immature forest. From VHB's preliminary findings, the Project Site lies between riparian areas that will have buffers to protect both streams and Class II wetlands, which will be avoided or activities minimized by the final Project array design. There is state mapped deer wintering area near the Project Site which will be

examined further to determine its suitability. Limited tree clearing may be found necessary around the perimeter of the array for removal of fall hazard and shade trees. It is likely that development of the Project access would need to intersect wetland buffer and require a Vermont Wetland Permit. The final detailed Project design will minimize the extent and impact of infrastructure such as the access drive and interconnection lines to the extent feasible. VHB's detailed natural resource assessments, and impact analyses (where applicable) will be completed for the natural environment criteria considered under Section 248 and as relevant to any necessary collateral environmental permitting. The preliminary review of the Project Site did not identify any resources or buffers that could be adversely impacted in a manner that would prevent Project construction. The Petitioner will provide the design details in the final Project plans.

VI. Project Benefits

The Project is being developed in cooperation with GF Power to provide locally generated renewable energy to GlobalFoundries. As its own electric utility, the Project will contribute to GlobalFoundries' achievement of the requirements under the Vermont Renewable Energy Standards by creating new, locally generated renewable energy. In addition, the Project will generate a new source of property tax revenue for the municipality.

VII. Conclusion

The Project is not expected to result in undue adverse impacts to the applicable criteria. The Petitioner looks forward to submitting the full Section 248 petition package, which will contain all of the information required by the PUC to evaluate the merits of the Project for potential award of a Certificate of Public Good, and inform others of the Project's impacts and value.

The Petitioner intends to file a Section 248 Petition and supporting materials with the PUC soon after the expiration of the 45-day notice period, which is expected to be no sooner than March 14, 2025. This 45-day notice will expire after 1 year of its submission.

We look forward to receiving any input or suggestions you may have as we move through the Section 248 process. If you have any questions you may direct them to the Petitioner by phone at 802-861-3023 or by email at jake@encorerenewableenergy.com.

Sincerely,



Jake Clark
VP of Project Development
Encore Renewable Energy

Attachment 1 – Preliminary Site Plan

Attachment 2 – Preliminary Natural Resources Map

Attachment 3 – Representative Equipment Specifications

Attachment 1 – Preliminary Site Plan

Williston H Solar, LLC's 45-Day Notice to Persons and Entities Entitled to Notice Pursuant to Public Utility Commission Rule 5.402(A), for a Proposed 2.75 MW AC Solar Array off Chip Alley in Williston, Vermont





PROJECT FENCE

(6,288) 590W MODULES
(22) CPS 125KW INVERTERS

50' RIVER CORRIDOR

50' RIPARIAN BUFFER

50' CLASS II WETLAND BUFFER

APPROX. WETLAND CLASS II

GMP UPGRADE CORRIDOR

ELECTRICAL EQUIPMENT PAD FOR
TRANSFORMER AND SWITCHGEAR

NEW PROJECT RISER POLE

ACCESS DRIVE

NEW GMP POLE - PRIMARY METER WITH FUSED CUTOUTS

NEW GMP POLE - PROJECT RECLOSER

EXISTING GMP POLE - POI - (44.47236, -73.0842)

ENCORE RENEWABLE
ENERGY
50 LAKESIDE AVE #110
BURLINGTON, VT 05401
802-861-3023
ENCORE ECO



GLOBALFOUNDRIES VT GROUP H
2.75 MW AC GROUND MOUNT
WILLISTON, VT
44.47494, -73.08694

REV	REVISION HISTORY	DATE
A	ISSUED FOR DE APPLICATION	06/16/24
B	REVISED FOR CCM	11/01/24
C	ISSUED FOR 45 DAY NOTICE	01/29/25

NOT FOR
CONSTRUCTION

LAYOUT

E-100

Attachment 2 – Natural Resources Map

Williston H Solar, LLC's 45-Day Notice to Persons and Entities Entitled to Notice Pursuant to Public Utility Commission Rule 5.402(A), for a Proposed 2.75 MW AC Solar Array off Chip Alley in Williston, Vermont

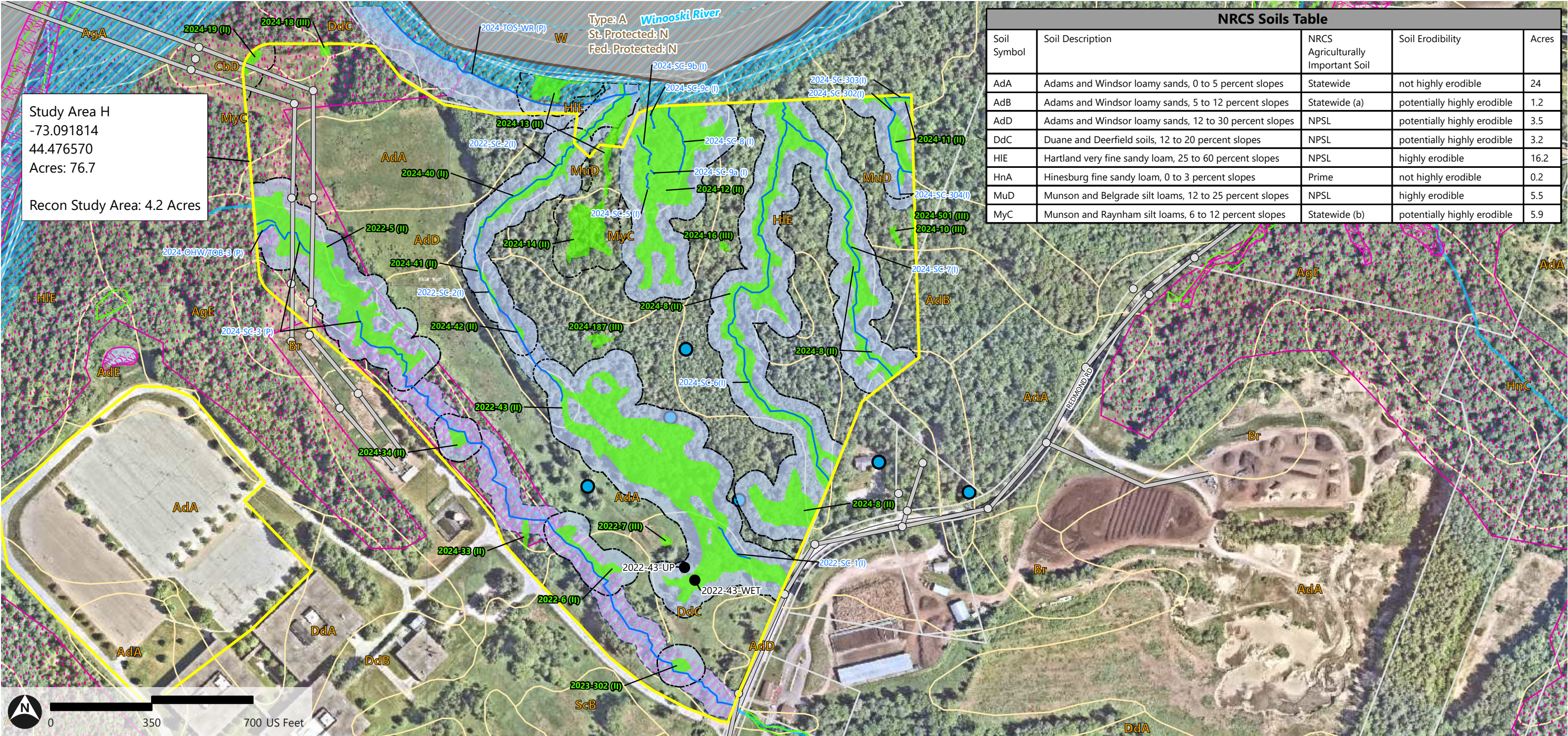


Natural Resources Map - Global Foundries Group H

Global Foundries | Williston, VT



DRAFT | January 21, 2025



Study Area (VHB)

Delineation Data Point (VHB) (2)

Delineated Wetland (VHB) (24)

Class II Wetland Buffer (VHB)

Delineated Waters (Flow Regime) (VHB) (21)

50/100 ft Riparian Buffer (VHB)

River Corridor (VHB)

Existing Utility Pole - GMP/VEC (VCGI) (36)

Stream (ANR) (4)

Waterbody (ANR) (1)

VSWI (ANR) (5)

Public Water Source (ANR) (0)

Private Well (ANR) (7)

100 Year Flood Zone (FEMA) (2)

AE/VCE Confirmed Vernal Pools (0)

Deer Wintering Areas (FWD) (3)

Culverts (VCGI)

NRCS Soils (VCGI)

Parcel Boundary (VCGI) (19)

Town Boundary (VCGI)

Town Road

VT 117

Group J

Group H

Group D

Group B

Group C

Group G

VT 2A

Notes:
VHB delineated wetlands and waters on January 17, 18, 30 2024 and April 25, 26, 30th, 2024 and May 7, 10, 15th, 2024. VHB Mapped approximate wetlands and and delineated waters on December 12th, 2024.

Wetland boundaries and classifications within the delineated Study Area were reviewed by Tina Heath on September 17th, 2024. The features mapped on December 12, 2024 are subject to review.

Field surveys by VHB between 2022 and 2024 determined that DWA is not present in areas within the map extent. ANR-mapped DWA polygon is shown here, but suitable habitat conditions are absent.

Wetland delineations are subject to review and confirmation by US Army Corps of Engineers for jurisdiction.

(#) Count of feature visible within map extent.
Sources: Background Imagery by VCGI (2022) VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates); DFW (Vermont Department of Fish & Wildlife - Various Dates); VTrans (Vermont Department of Transportation - 2015); VHB - 2023, 2024

Path: \\vhb.com\gis\proj\SBurlington\57818.00 Encore 500 kW Solar\gis\Project\Global_Foundries\Global_Foundries NR Phase 2\aprx

Attachment 3 – Representative Equipment Specifications

Williston H Solar, LLC's 45-Day Notice to Persons and Entities Entitled to Notice Pursuant to Public Utility Commission Rule 5.402(A), for a Proposed 2.75 MW AC Solar Array off Chip Alley in Williston, Vermont



RUNERGY

TIER 1 HY-DH144N8 **575-595W**

23.0%

Max. Efficiency

N-Type

Bifacial & Dual Glass

144 Pieces

Half-Cell



High Conversion Efficiency

Module efficiency up to 23.0% based on N-Type wafer and advanced N-Type cell technology



Excellent Energy Yield

More power output in field operation due to better thermal behaviors, weak-light performance and bifaciality



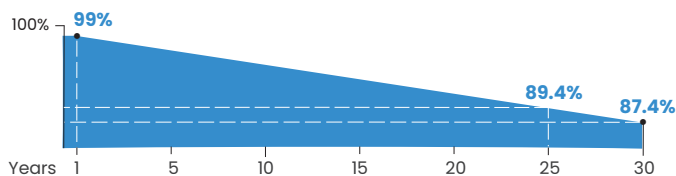
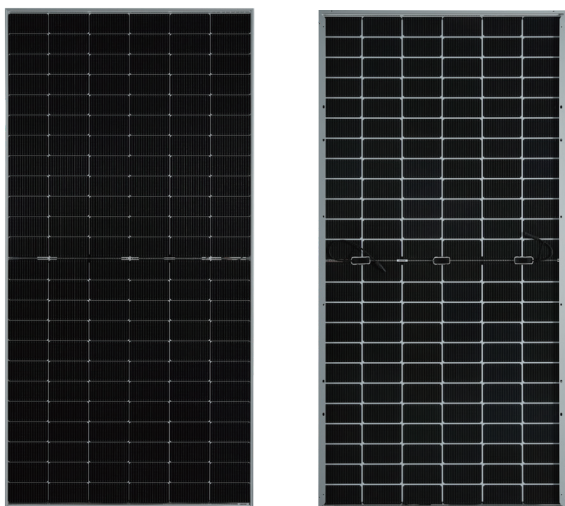
Outstanding Anti-degradation

Unsusceptible to LID, LeTID and less annual degradation due to special characteristics of N-Type



Quality Guarantee

High module quality ensures long-term reliability



Runergy N-Type Dual Glass Product Performance Warranty

- **12 Years** warranty for materials and workmanship
- **30 Years** warranty for extra linear power output
- 1st year < **1%**, annual degradation < **0.4%**

IEC61215 / IEC61730 / UL61730 / IEC61701 / IEC62716 / IEC60068 / ISO9001 / ISO14001 / ISO45001



Munich RE



www.runergy.com
sales-inform@runergy.com

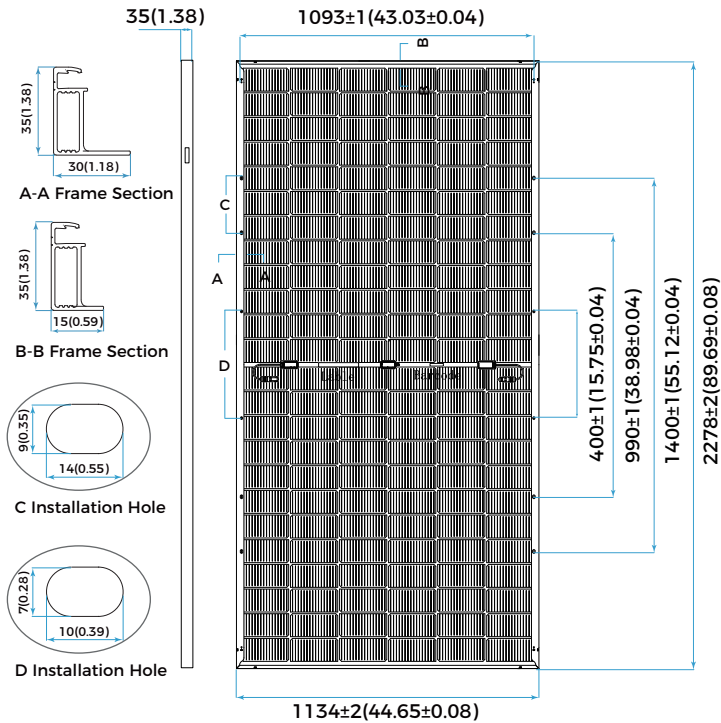
Unit: mm(inch)

Mechanical Parameters

Solar Cell	Mono N-Type 182mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35mm(89.69× 44.65 × 1.38in.)
Weight	32.7kg(72.09lbs)
Junction Box	IP68 rated (3 bypass diodes)
Output Cable	4mm ² (IEC), 12 AWG(UL) +400/-200mm (+15.75/-7.87in.) or customized
Connector	RY01 or similar
Front Cover	2.0mm (0.079in.)semi-tempered AR glass
Back Cover	2.0mm (0.079in.)semi-tempered glass
Container	31 pcs/Pallet, 558 pcs/40' HQ

Operating Parameters

Max. System Voltage	DC 1500V (IEC/UL)
Operating Temperature	-40℃ ~ +85℃(-40℉ ~ +185℉)
Max. Fuse Rating	30A
Frontside Max. Loading	5400Pa(112lb/ft ²)
Backside Max. Loading	2400Pa(50lb/ft ²)
Bifaciality	80%±10%
Fire Resistance	UL Type 29



Electrical Characteristics - STC

Irradiance 1000 W/m², cell temperature 25 °C, AM1.5, Test uncertainty for Pmax: ±3%

Maximum Power at STC (Pmax/W)	595	590	585	580	575
Power Tolerance (W)	0 ~ +5				
Optimum Operating Voltage (Vmp/V)	44.64	44.43	44.22	44.04	43.83
Optimum Operating Current (Imp/A)	13.33	13.28	13.23	13.17	13.12
Open Circuit Voltage (Voc/V)	52.58	52.37	52.16	51.97	51.74
Short Circuit Current (Isc/A)	13.93	13.89	13.85	13.80	13.75
Module Efficiency	23.0%	22.8%	22.6%	22.5%	22.3%

Electrical Characteristics - NMOT

Irradiance 800 W/m², ambient temperature 20 °C, AM1.5, wind speed 1 m/s.

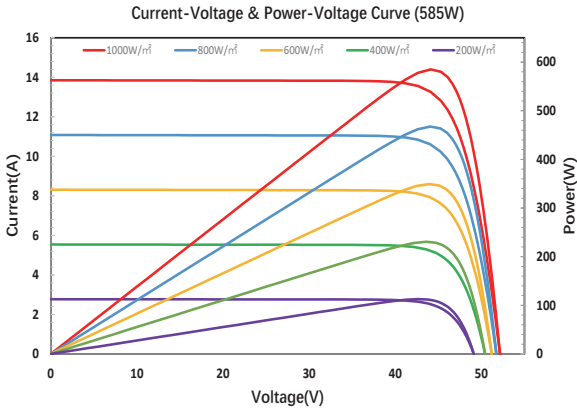
Maximum Power at NMOT (Pmax/W)	455.7	451.9	448.1	444.2	440.4
Optimum Operating Voltage (Vmp/V)	42.74	42.54	42.34	42.17	41.97
Optimum Operating Current (Imp/A)	10.66	10.62	10.58	10.53	10.49
Open Circuit Voltage (Voc/V)	50.35	50.14	49.94	49.76	49.54
Short Circuit Current (Isc/A)	11.23	11.20	11.16	11.12	11.08

Rearside Power Gain (Reference to 585W Front)

Rearside Power Gain	5%	15%	25%
Maximum Power (Pmax/W)	614	673	731
Optimum Operating Voltage (Vmp/V)	44.22	44.32	44.32
Optimum Operating Current (Imp/A)	13.89	15.18	16.50
Open Circuit Voltage (Voc/V)	52.16	52.26	52.26
Short Circuit Current (Isc/A)	14.54	15.90	17.28
Module Efficiency	23.8%	26.1%	28.3%

Temperature Characteristics

Nominal Module Operating Temperature	42 ± 2 °C
Nominal Cell Operating Temperature	45 ± 2 °C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C



Three-phase pad-mounted compartmental type transformer



General

At Eaton, we are constantly striving to introduce new innovations to the transformer industry, bringing you the highest quality, most reliable transformers. Eaton's Cooper Power series Transformer Products are ISO 9001 compliant, emphasizing process improvement in all phases of design, manufacture, and testing. In order to drive this innovation, we have invested both time and money in the Thomas A. Edison Technical Center, our premier research facility in Franksville, Wisconsin. Such revolutionary products as distribution-class UltraSIL™ Polymer-Housed Evolution™ surge arresters and Envirotemp™ FR3™ fluid have been developed at our Franksville lab.

With transformer sizes ranging from 45 kVA to 12 MVA and high voltages ranging from 2400 V to 46 kV, Eaton has you covered. From fabrication of the tanks and cabinets to winding of the cores and coils, to production of arresters, switches, tap changers, expulsion fuses, current limit fuses, bushings (live and dead) and molded rubber goods, Eaton does it all. Eaton's Cooper Power series transformers are available with electrical grade mineral oil or Envirotemp™ FR3™ fluid, a less-flammable and bio-degradable fluid. Electrical codes recognize the advantages of using Envirotemp™ FR3™ fluid both indoors and outdoors for fire sensitive applications. The bio-based fluid meets Occupational Safety and Health Administration (OSHA) and Section 450.23 NEC Requirements.



Powering Business Worldwide

Three-phase pad-mounted compartmental type transformer

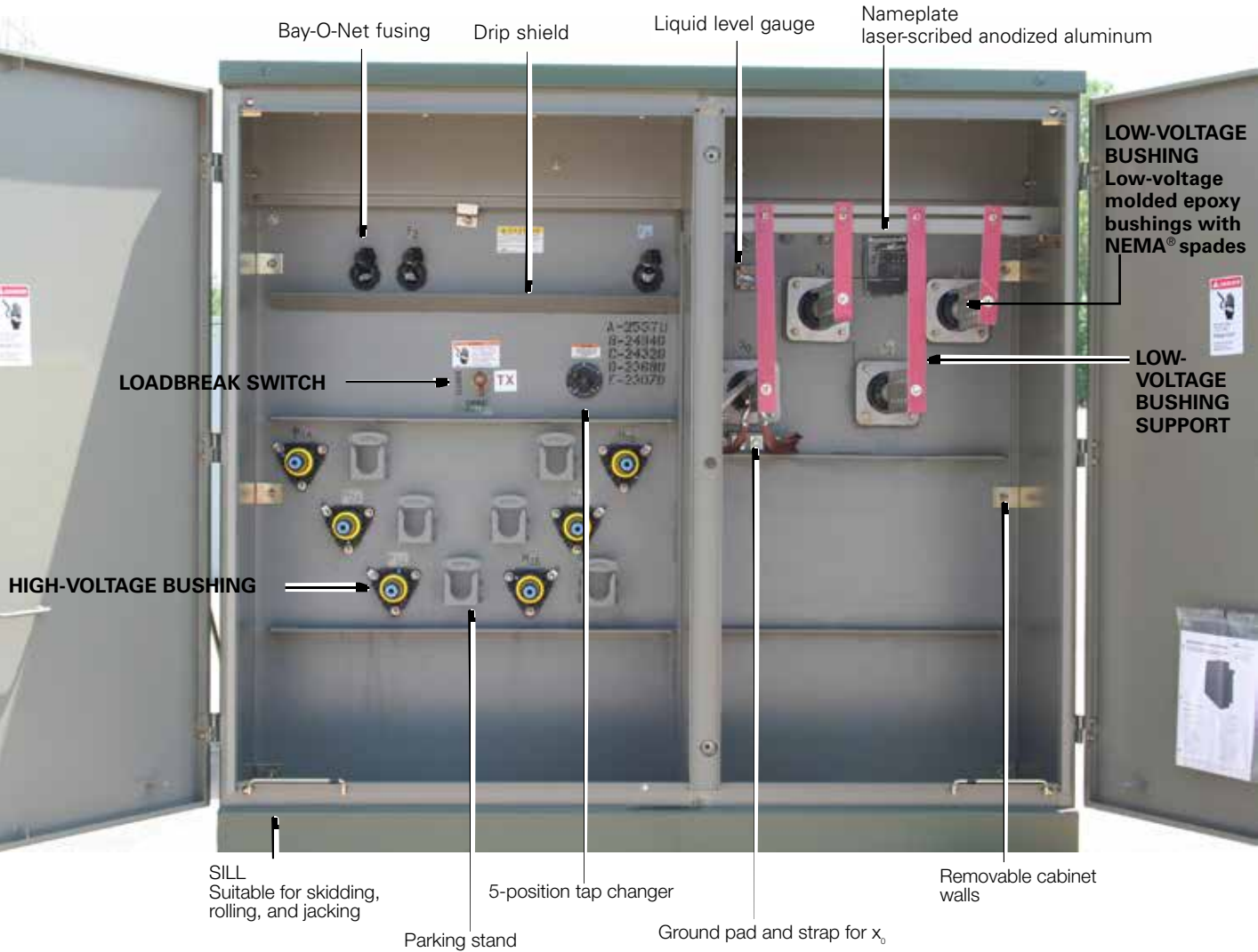


Figure 1. Three-phase pad-mounted compartmental type transformer.

Table 1. Product Scope

Type	Three Phase, 50 or 60 Hz, 65 °C Rise (55 °C, 55/65 °C), 65/75 °C, 75 °C
Fluid Type	Mineral oil or Envirotemp™ FR3™ fluid
Coil Configuration	2-winding or 4-winding or 3-winding (Low-High-Low), 3-winding (Low-Low-High)
Size	45 – 10,000 kVA
Primary Voltage	2,400 – 46,000 V
Secondary Voltage	208Y/120 V to 14,400 V
Specialty Designs	Inverter/Rectifier Bridge
	K-Factor (up to K-19)
	Vacuum Fault Interrupter (VFI)
	UL® Listed & Labeled and Classified
	Factory Mutual (FM) Approved®
	Solar/Wind Designs
	Differential Protection
	Seismic Applications (including OSHPD)
	Hardened Data Center

100/125kW, 1500Vdc String Inverters for North America



CPS SCH100/125KTL-DO/US-600

The 100 & 125kW high power CPS three phase string inverters are designed for ground mount applications. The units are high performance, advanced and reliable inverters designed specifically for the North American environment and grid. High efficiency at 99.1% peak and 98.5% CEC, wide operating voltages, broad temperature ranges and a NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications. The CPS 100/125kW products ship with the Standard or Centralized Wire-box, each fully integrated and separable with AC and DC disconnect switches. The Standard Wire-box includes touch safe fusing for up to 20 strings. The CPS FlexOM Gateway enables communication, controls and remote product upgrades.

Key Features

- NFPA 70, NEC 2014 and 2017 compliant
- Touch safe DC Fuse holders adds convenience and safety
- CPS FlexOM Gateway enables remote FW upgrades
- Integrated AC & DC disconnect switches
- 1 MPPT with 20 fused inputs for maximum flexibility
- Copper and Aluminum compatible AC connections
- NEMA Type 4X outdoor rated, tough tested enclosure
- Advanced Smart-Grid features (CA Rule 21 certified)
- kVA Headroom yields 100kW @ 0.9PF and 125kW @ 0.95PF
- Generous 1.87 and 1.5 DC/AC Inverter Load Ratios
- Separable wire-box design for fast service
- Standard 5 year warranty with extensions to 20 years



100/125KTL Standard Wire-box



100/125KTL Centralized Wire-box

Model Name	CPS SCH100KTL-DO/US-600	CPS SCH125KTL-DO/US-600
DC Input		
Max. PV Power	187.5kW	
Max. DC Input Voltage	1500V	
Operating DC Input Voltage Range	860-1450Vdc	
Start-up DC Input Voltage / Power	900V / 250W	
Number of MPP Trackers	1	
MPPT Voltage Range ¹	870-1300Vdc	
Max. PV Input Current (Isc x1.25)	275A	
Number of DC Inputs	20 PV source circuits, pos. & neg. fused (Standard Wire-box) 1 PV output circuit, 1-2 terminations per pole, non-fused (Centralized Wire-box)	
DC Disconnection Type	Load-rated DC switch	
DC Surge Protection	Type II MOV (with indicator/remote signaling), Up=2.5kV, In=20kA (8/20uS)	
AC Output		
Rated AC Output Power	100kW	125kW
Max. AC Output Power ²	100kVA (111KVA @ PF>0.9)	125kVA (132KVA @ PF>0.95)
Rated Output Voltage	600Vac	
Output Voltage Range ³	528-660Vac	
Grid Connection Type ⁴	3Φ / PE / N (Neutral optional)	
Max. AC Output Current @600Vac	96.2/106.8A	120.3/127.0A
Rated Output Frequency	60Hz	
Output Frequency Range ³	57-63Hz	
Power Factor	>0.99 (±0.8 adjustable)	>0.99 (±0.8 adjustable)
Current THD	<3%	
Max. Fault Current Contribution (1-cycle RMS)	41.47A	
Max. OCPD Rating	200A	
AC Disconnection Type	Load-rated AC switch	
AC Surge Protection	Type II MOV (with indicator/remote signaling), Up=2.5kV, In=20kA (8/20uS)	
System		
Topology	Transformerless	
Max. Efficiency	99.1%	
CEC Efficiency	98.5%	
Stand-by / Night Consumption	<4W	
Environment		
Enclosure Protection Degree	NEMA Type 4X	
Cooling Method	Variable speed cooling fans	
Operating Temperature Range	-22°F to +140°F / -30°C to +60°C (derating from +113°F / +45°C)	
Non-Operating Temperature Range ⁵	-40°F to +158°F / -40°C to +70°C maximum	
Operating Humidity	0-100%	
Operating Altitude	8202ft / 2500m (no derating)	
Audible Noise	<65dBA@1m and 25°C	
Display and Communication		
User Interface and Display	LED Indicators, WiFi + APP	
Inverter Monitoring	Modbus RS485	
Site Level Monitoring	CPS FlexOM Gateway (1 per 32 inverters)	
Modbus Data Mapping	SunSpec/CPS	
Remote Diagnostics / FW Upgrade Functions	Standard / (with FlexOM Gateway)	
Mechanical		
Dimensions (WxHxD)	45.28x24.25x9.84in (1150x616x250mm) with Standard Wire-box 39.37x24.25x9.84in (1000x616x250mm) with Centralized Wire-box	
Weight	Inverter: 121lbs / 55kg; Wire-box: 55lbs / 25kg (Standard Wire-box); 33lbs / 15kg (Centralized Wire-box)	
Mounting / Installation Angle	15 - 90 degrees from horizontal (vertical or angled)	
AC Termination	M10 Stud Type Terminal [3Φ] (Wire range:1/0AWG - 500kcmil CU/AL, Lugs not supplied) Screw Clamp Terminal Block [N] (#12 - 1/0AWG CU/AL)	
DC Termination	Screw Clamp Fuse Holder (Wire range: #12 - #6AWG CU) - Standard Wire-box Busbar, M10 Bolts (Wire range: #1AWG - 500kcmil CU/AL [1 termination per pole], #1AWG - 300kcmil CU/AL [2 terminations per pole], Lugs not supplied) - Centralized Wire-box	
Fused String Inputs	20A fuses provided (Fuse values of 15A or 20A acceptable)	
Safety		
Safety and EMC Standard	UL1741-SA-2016, CSA-C22.2 NO.107.1-01, IEEE1547a-2014; FCC PART15	
Selectable Grid Standard	IEEE 1547a-2014, CA Rule 21, ISO-NE	
Smart-Grid Features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Volt-Watt	
Warranty		
Standard ⁶	5 years	
Extended Terms	10, 15 and 20 years	

1) See user manual for further information regarding MPPT Voltage Range when operating at non-unity PF

2) "Max. AC Apparent Power" rating valid within MPPT voltage range and temperature range of -30°C to +40°C (-22°F to +104°F) for 100KW PF ≥0.9 and 125KW PF ≥0.95

3) The "Output Voltage Range" and "Output Frequency Range" may differ according to the specific grid standard.

4) Wye neutral-grounded, Delta may not be corner-grounded.

5) See user manual for further requirements regarding non-operating conditions.

6) 5 year warranty effective for units purchased after October 1st, 2019.