CERTIFICATE OF APPROPRIATENESS APPLICATION

HISTORIC DISTRICT COMMISSION

TOWN OF SANDWICH PO Box 194 Center Sandwich, NH 03227-0194

The Historic District Commission (HDC) has an obligation to the citizens of Sandwich who voted for its existence. We want to work with applicants to accommodate their needs as much as possible within the Guidelines attached to this application. The HDC meets at 5:30 PM on the 3rd Tuesday of each month when there are applications before the Commission. Complete applications are due fifteen (15) days before the meeting to give members a chance to acquaint themselves with the property to be considered.

The presence of the Applicant or Agent at the meeting and a Complete Application are prerequisites for the HDC to consider the submitted application. The HDC encourages prospective applicants unfamiliar with the process to contact the chairperson to informally discuss proposed projects. Please call Sandwich Town Hall at (603) 284-7701 for contact information.

PLEASE CAREFULLY READ THE ATTACHED GUIDELINES BEFORE PROCEEDING WITH THE APPLICATION

Date of Application 10/20/23	Parcel ID: Tax Map Page U1 Lot # 19
Street Address of Property 11 Grove Street	
Property Owner (Applicant): Name Fred and Melissa Dassori Address 49 EAST 96TH STREET, APT 4D	AGENT for Applicant: Name ReVision Energy Address 7 Commercial Drive
NEW YORK, NY 10128	Brentwood, NH 03833
Telephone # (917) 536-2165	Telephone # (603) 679-1777
Email freddassori@gmail.com	Email dhackett@revisionenergy.com
structural and non-structural features listed project. Attach specific supporting docume specifications, photographs, drawings, etc. I 2. A copy of a Site plan showing the location and property lines. ("To scale" Site plans existing building(s) or there is new construct. 3. A sketch or scaled drawing showing in structural and nonstructural features of particular to the checklist confirmation of completeness. Please be aw	ect. This description must address, in order, each of the in the GUIDELINES that are applicable for the proposed ntation, such as paint chips, manufacturer's literature and if listed feature is not applicable, then note: N/A. In of the proposed activities relative to existing building(s) are required when there is a change in the footprint to extion.) I cross sectional view(s) the architectural style of the
Commission Use: Date: Special Conditions listed on back	Approved Disapproved
Special Conditions listed on back []	
•	

Co-Chair, Historic District Commission

Co-Chair, Historic District Commission

HDC APPLICATION CHECKLIST

DATE OF APPLICATION property OWNEr Tred and Melissa Dassori

aporess 11 Grove Street, Sandwich NH MAP HI LOT 19

HDC MEETING DATE:

11/21/23

EXISTING BUILDNGIX
NEW CONSTRUCTION, HDC REVIEW APPLICANT TO F1LLOUT THIS SECTION COMMENTS APPLICATION SECTION (Reference Section of Attached Application Materials) STRUCTURAL FEATURES 1. ARCHITECTUALSTYLE . * 2 SIDING 3. COLOR 4. ROOF Installation of all-black flush-mounted solar panels on new construction detached barn S. WINDOWS 6. SHUTTERS 7. DOORS 8. CHIMNEYS 9. PORCHES 10. GARAGES NON-STRUCTURAL FEATURES 1. FENCES 2. SIGNS 3. OUTDOOR LIGHTING 4. LANDSCAPING 5. RECREATIONAL FACILITIES 6. LAND USE

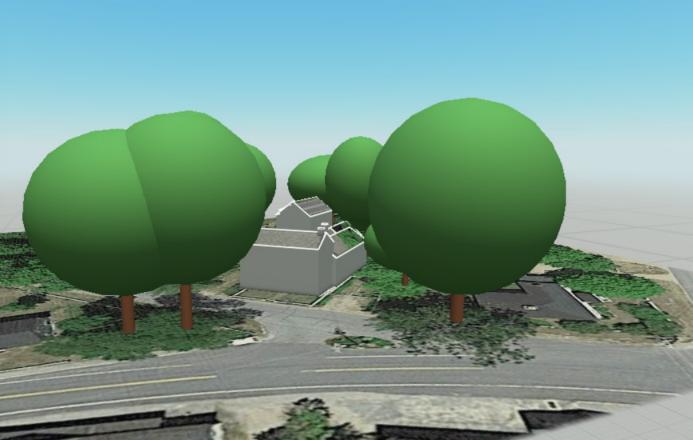
I, as property owner, approve the information contained within this application; and hereby authorize _to act in my behalf as my AGENT in the processing of this application and to ReVision Energy furnish, upon request, supplemental information in support of this application.

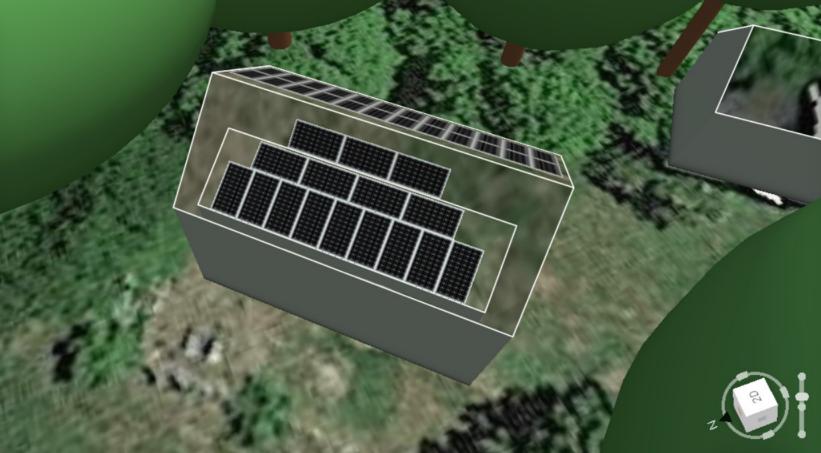
1 have reviewed the HDC Guidelines and the Certificate of Completeness Application and certify that the submitted application is complete.

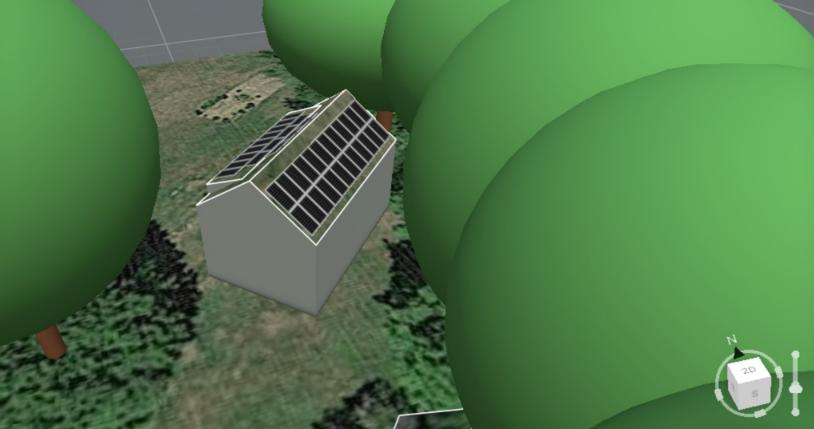
(Signature of Property Owner

Fred and Melissa Dassori



















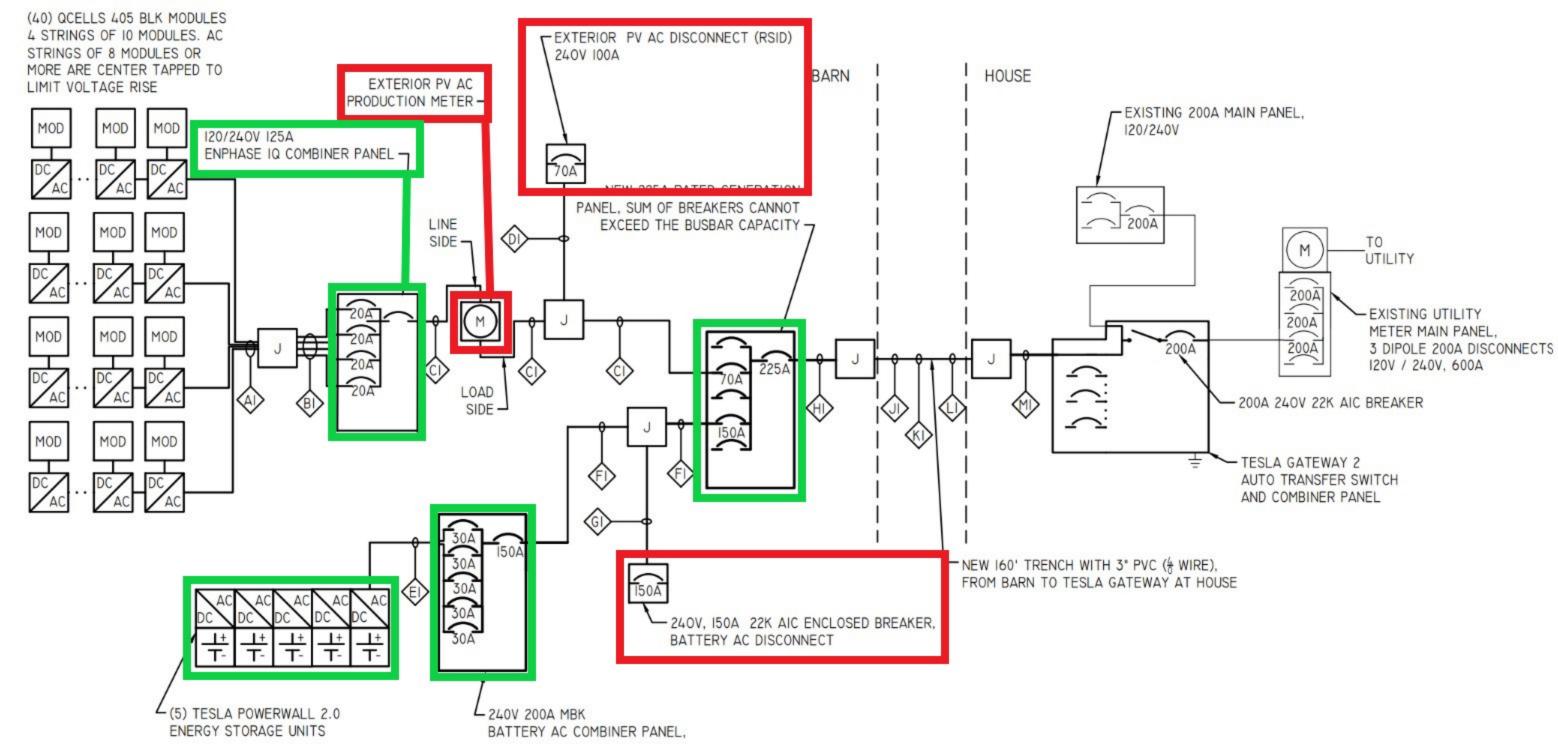












Q.PEAK DUO BLK ML-G10+ SERIES



385-410 Wp | 132 Cells 20.9 % Maximum Module Efficiency

MODEL Q.PEAK DUO BLK ML-G10+



6 busbar cell technology



12 busbar cell technology



Breaking the 20% efficiency barrier

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9 $\!\%$



A reliable investment

Inclusive 25-year product warranty and 25-year linear performance warranty¹.



Enduring high performance

Long-term yield security with Anti LeTID Technology, Anti PID Technology² and Hot-Spot Protect.



Extreme weather rating

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



Innovative all-weather technology

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



The most thorough testing programme in the industry

Qcells is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.











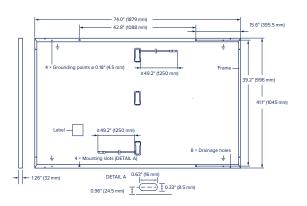
¹ See data sheet on rear for further information.

² APT test conditions according to IEC/TS 62804-1:2015, method A (-1500 V, 96 h)

Q.PEAK DUO BLK ML-G10+ SERIES

■ Mechanical Specification

Format	74.0 in \times 41.1 in \times 1.26 in (including frame) (1879 mm \times 1045 mm \times 32 mm)
Weight	48.5 lbs (22.0 kg)
Front Cover	0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 22 monocrystalline Q.ANTUM solar half cells
Junction box	2.09-3.98 in × 1.26-2.36 in × 0.59-0.71 in (53-101 mm × 32-60 mm × 15-18 mm), IP67, with bypass diodes
Cable	4mm^2 Solar cable; (+) $\geq 49.2 \text{in}$ (1250 mm), (-) $\geq 49.2 \text{in}$ (1250 mm)
Connector	Stäubli MC4; IP68



■ Electrical Characteristics

PO	WER CLASS			385	390	395	400	405	410
MINI	IMUM PERFORMANCE AT STANDARD TEST CO	NDITIONS, ST	C1 (POWER	FOLERANCE +5	W/-0W)				
	Power at MPP ¹	P_{MPP}	[W]	385	390	395	400	405	410
	Short Circuit Current ¹	I _{sc}	[A]	11.04	11.07	11.10	11.14	11.17	11.20
mur _	Open Circuit Voltage ¹	V _{oc}	[V]	45.19	45.23	45.27	45.30	45.34	45.37
<u>≅</u> –	Current at MPP	I _{MPP}	[A]	10.59	10.65	10.71	10.77	10.83	10.89
2 -	Voltage at MPP	V_{MPP}	[V]	36.36	36.62	36.88	37.13	37.39	37.64
	Efficiency ¹	η	[%]	≥19.6	≥19.9	≥20.1	≥20.4	≥20.6	≥20.9
MINI	IMUM PERFORMANCE AT NORMAL OPERATING	G CONDITION	S, NMOT ²						
	Power at MPP	P_{MPP}	[W]	288.8	292.6	296.3	300.1	303.8	307.6
Ę _	Short Circuit Current	I _{sc}	[A]	8.90	8.92	8.95	8.97	9.00	9.03
_ ق	Open Circuit Voltage	V _{oc}	[V]	42.62	42.65	42.69	42.72	42.76	42.79

8.35

34.59

 $^{1}\text{Measurement tolerances P}_{\text{MPP}}\pm3\%; I_{\text{SC}}; V_{\text{OC}}\pm5\% \text{ at STC: } 1000 \text{ W/m}^{2}, 25\pm2\text{ °C}, \text{AM 1.5 according to IEC } 60904-3 \bullet ^{2}800 \text{ W/m}^{2}, \text{NMOT, spectrum AM 1.5 according to IEC } 1000 \text{ W/m}^{2}, \text{NMOT, spectrum AM 1.5 according to IEC } 1000 \text{ W/m}^{2}, \text{NMOT, spectrum AM 1.5 } 1000 \text{ W$

[A]

[V]

Qcells PERFORMANCE WARRANTY

Current at MPP

Voltage at MPP



At least 98% of nominal power during first year. Thereafter max. 0.5% degradation per year. At least 93.5% of nominal power up to 10 years. At least 86% of nominal power up to 25 years.

 I_{MPP}

 V_{MPP}

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Qcells sales organisation of your respective country.

PERFORMANCE AT LOW IRRADIANCE

8.46

35.03

8.51

35.25

8.57

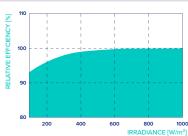
35.46

8.62

35.68

8.41

34.81



Typical module performance under low irradiance conditions in comparison to STC conditions ($25\,^{\circ}$ C, $1000\,\text{W/m}^2$).

*Standard terms of guarantee for the 5 P	V companies with the
highest production capacity in 2021 (Feb	ruary 2021)

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of I _{sc}	α	[%/K]	+0.04	Temperature Coefficient of $V_{\rm oc}$	β	[%/K]	-0.27
Temperature Coefficient of P _{MPP}	γ	[%/K]	-0.34	Nominal Module Operating Temperature	NMOT	[°F]	109±5.4 (43±3°C)

■ Properties for System Design

•		_			
Maximum System Voltage	V_{sys}	[V]	1000 (IEC)/1000 (UL)	PV module classification	Class II
Maximum Series Fuse Rating		[A DC]	20	Fire Rating based on ANSI/UL 61730	TYPE 2
Max. Design Load, Push/Pull ³		[lbs/ft²]	75 (3600 Pa)/55 (2660 Pa)	Permitted Module Temperature	−40°F up to +185°F
Max. Test Load, Push/Pull ³		[lbs/ft²]	113 (5400 Pa)/84 (4000 Pa)	on Continuous Duty	(−40°C up to +85°C)

³ See Installation Manual

■ Qualifications and Certificates

UL 61730, CE-compliant, Quality Controlled PV - TÜV Rheinland, IEC 61215:2016, IEC 61730:2016, U.S. Patent No. 9,893,215 (solar cells),











ocells













