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1.0 Reference a	nd Address				
Report Number	104527642LAX-002 Original Is	sued: 31-Mar-2022	Revised: None		
	Photovoltaic (PV) Module Safety 61730-1:2017 Ed.1]	Qualification - Part 1: R	equirements for Construction [UL		
	Photovoltaic (PV) Module Safety 2:2017 Ed.1]	Qualification - Part 2: R	equirements for Testing [UL 61730-		
	Photovoltaic (PV) Module Safety C22.2#61730-1:2019 Ed.2]	Qualification - Part 1: R	equirements for Construction [CSA		
Standard(s)	Photovoltaic (PV) Module Safety C22.2#61730-2:2019 Ed.2]	Qualification - Part 2: R	equirements for Testing [CSA		
	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction [IEC 61730-1:2016 Ed.2]				
	Photovoltaic (PV) Module Safety 2:2016 Ed.2]	Qualification - Part 2: R	equirements for Testing [IEC 61730-		
Applicant	Gcat Group Inc.	Manufacturer 1	Gcat Group Inc.		
Address	41 Racine Road Toronto, ON M9W 2Z4	Address	41 Racine Road Toronto, ON M9W 2Z4		
Country	Canada	Country	Canada		
Contact	Danial Hadizadeh Hadi Khatibzadehazad	Contact	Danial Hadizadeh Hadi Khatibzadehazad		
Phone	1 416 497 7120 1 416 875 8095	Phone	1 416 497 7120 1 416 875 8095		
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2.0 Product Des	cription
Product	Photovoltaic Module
Brand name	Mitrex
Description	The product covered by this report are flat-plate photovoltaic modules which convert elements of the electromagnetic spectrum to DC electrical power. The basic construction of the laminate consists of laminated assembly of individual solar cells and interconnecting ribbons encapsulated within an insulating material. This encapsulated assembly is pressed between a rigid transparent top surface, referred to as the superstrate, and an insulating back surface, referred to as the substrate. The laminated assembly is supported by a aluminum honeycomb structure. Modules are intended to be installed in accordance with the NEC and CEC.
Models	M300-GR01F612, M305-GR01H612, M235-GR01H523.
Model Similarity	All models of modules are similar in construction but differ in output voltage, power, current ratings, cell number and module dimension. The generic model nomenclature is Mxxx- yyzzAbcc: M: Denotes Mitrex xxx: Denotes the power in Watts yy: Denotes the superstrate pattern [GR = Granite] zz: Denotes the superstrate pattern number on related category A: Denotes type of cell, F for full cell and H for half cell b: Denotes number of strings (cell columns) cc: Denotes number of cells per string
Ratings	See illustration 2a
Other Ratings	

## 3.0 Product Photographs

Photo 1 - Overall Front



## 7.0 Illustrations

Illustration 2a - Electrical Ratings

20	1000	47.1	7.49	42.4	7.19	305	M305-GR01H612
[W]   Imax [A]   Vmax [V]   Isc [A]   Voc [V]   MSV [V]   Fuse Rating [A]	MSV [V]	Voc [V]	lsc [A]	Vmax [V]	Imax [A]	Pmax [W]	<b>Model Name</b>
70	TOOOT	4/	7.49	41.9	/T'/	200	
Pmax [W] Imax [A] Vmax [V] Isc [A] Voc [V] MSV [V] Fuse Rating [A]	MSV [V]	Voc [V]	lsc [A]	Vmax [V]	Imax [A]	Pmax [W]	Model Name

-	 nax [A]	Vmax [V]	lsc [A]	Voc [V]	MSV [V]	Fuse Rating [A]
	3.42	68.8	3.54	75.1	1000	20

8.0 Test Summary				
Evaluation Period	06-30-2021 to 03	3-31-2022		Project No. G104527642
Sample Rec. Date	30-Jun-2021	Condition	Production	Sample ID. MID2106161125
Test Location	8431 Murphy Dri	ve Middleton, WI 53	3562	
Test Procedure	Testing Lab			
Determination of the r	esult includes co	nsideration of meas	urement uncertaint	y from the test equipment and
methods. The produc	ct was tested as ir	ndicated below with	results in conforma	ance to the relevant test criteria.
	Test Description		UL/C	SA 61730-2:2017 Ed.1
	Fire Test			MST 23
8.1 Signatures				
A representative sample of the product covered by this report has been evaluated and found to comply with the				
applicable requiremer	nts of the standard	ds indicated in Sect	ion 1.0.	
Completed by:	Abhinav Prakash		Reviewed by:	Samantha Doshi
Title:	Sr. Project Engin	eer	Title:	Reviewer
Signature:	AG	~	Signature:	Sinder

## 9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	Gcat Group Inc.
Address	41 Racine Road Toronto, ON M9W 2Z4
Country	Canada
Product	Photovoltaic Module

MULTIPLE LISTEE 1	None	
Address		
Country		
Brand Name		
ASSOCIATED MANUFACTURER		
Address		
Country		
MULTIPLE LISTEE 1 MODELS BASIC LISTEE MODELS		BASIC LISTEE MODELS

None	
LISTEE 2 MODELS	BASIC LISTEE MODELS
	None _ISTEE 2 MODELS

MULTIPLE LISTEE 3	None	
Address		
Country		
Brand Name		
	-	
ASSOCIATED		
MANUFACTURER		
Address		
Country		
MULTIPLE	LISTEE 3 MODELS	BASIC LISTEE MODELS