

## N-TYPE MONO CRYSTALLINE HALF CUT MODULE

460 / 465 / 470 / 475 / 480 / 485 Watts

# Lynx Series

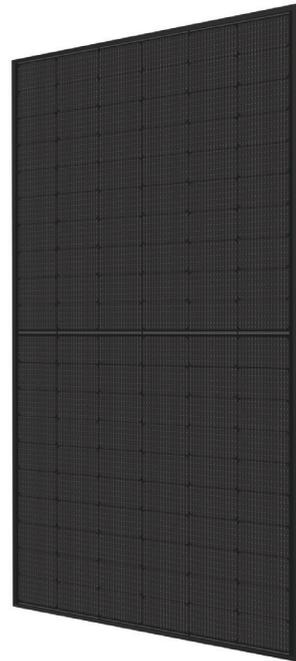


### Overview

N-type solar cells (TOPCon) are seen as the technology of the future. N-type (TopCon) technology guarantees high performance and low degradation of the PV module, substantially improving the results and the yield in the time. "Lynx" Series module is the ideal solution for end users who want a Quality PV & reliable product over time and a fast turnaround on their investments.

### Key Benefits

Zero light induced Degradation	30 Years Limited Product Warranty
Higher yield per surface area	Low Pmax Temperature Coefficient
Low LCOE	Higher Light Conversion



Guaranteed mechanical resistance to severe weather conditions



Positive Tolerance

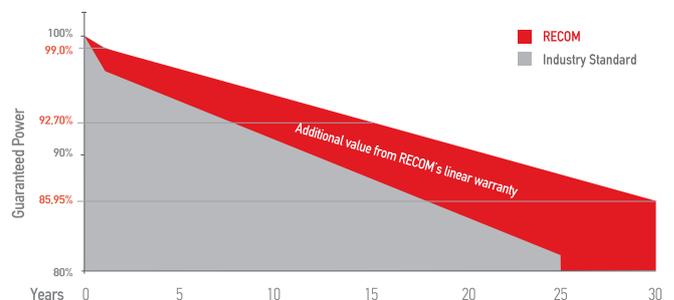


100 % electro-luminescence tested

### Tests, Certifications and Warranties

Standard Tests	IEC 61215, IEC 61730
Factory Quality Tests	ISO 9001: 2015, ISO 14001: 2015
Certifications	Conformity to CE, PV CYCLE Fire safety Class C according to UL790
Wind and Snow Static Loads	Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)
Withstanding Hail	Maximum Diameter of 25 mm with impact speed of 23 m/s
Power Tolerance	Guaranteed +0/+5W (STC condition)
Warranties	<ul style="list-style-type: none"> <li>• 30-year limited product warranty</li> <li>• 15-year manufacturer warranty on 92.70% of the nominal performance</li> <li>• 30-year transferable linear power output warranty</li> </ul>

### Linear Performance Warranty



First Year Output  $\geq 99.0\%$     2-30 Year Decline  $\leq 0.45\%$     30 Year Output  $\geq 85.95\%$

# Lynx

## N-TYPE MONO CRYSTALLINE HALF CUT MODULE

RCM-xxx-7NE (xxx=460-485)

### Electrical Characteristics

POWER CLASS <sup>(1)</sup>			460		465		470		475		480		485	
Testing Condition			STC <sup>(2)</sup>	NMOT <sup>(3)</sup>	STC	NMOT								
Maximum Power	P <sub>max</sub>	[Wp]	460	347,70	465	351,10	470	355,00	475	358,60	480	362,50	485	366,10
Maximum Power Voltage	V <sub>mp</sub>	[V]	34,70	32,70	34,90	32,90	35,10	33,10	35,30	33,30	35,50	33,50	35,70	33,70
Maximum Power Current	I <sub>mp</sub>	[A]	13,26	10,65	13,33	10,68	13,40	10,73	13,46	10,78	13,53	10,83	13,59	10,88
Open Circuit Voltage	V <sub>oc</sub>	[V]	41,90	39,50	42,10	39,70	42,30	39,90	42,50	40,10	42,70	40,30	42,90	40,50
Short Circuit Current	I <sub>sc</sub>	[A]	14,01	11,31	14,07	11,35	14,13	11,40	14,19	11,45	14,25	11,50	14,31	11,55
Module Efficiency	Eff	[%]	21,32		21,55		21,78		22,01		22,24		22,47	
Maximum Series Fuse	I <sub>R</sub>	[A]	25											
Maximum System Voltage	V <sub>sys</sub>	[V]	1500V DC											

(1) Measurement Tolerances: I<sub>sc</sub> & V<sub>oc</sub> (± 3%) - Power Classification 0/+5W

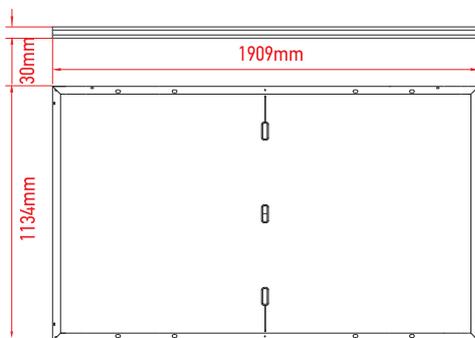
(2) STC (Standard Testing Condition): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

(3) NMOT (Nominal Operating Module Temperature): Irradiance 800W/m<sup>2</sup>, NMOT, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

### Mechanical Data

Dimensions	1909 mm x 1134 mm x 30 mm
Weight	23,8 Kg
Cell Type	N-type - 120 ( 60 x 2 Pcs) - M10
Front Glass	3.2 mm Tempered and low iron glass + ARC
Rear Side	Anti-aging film (Black)
Frame	Anodized Aluminium Alloy (Black)
Junction Box	IP68, 3 Bypass diodes
Connector	MC4 compatible
Output cable	4mm <sup>2</sup> - Length: 1200 mm or customized

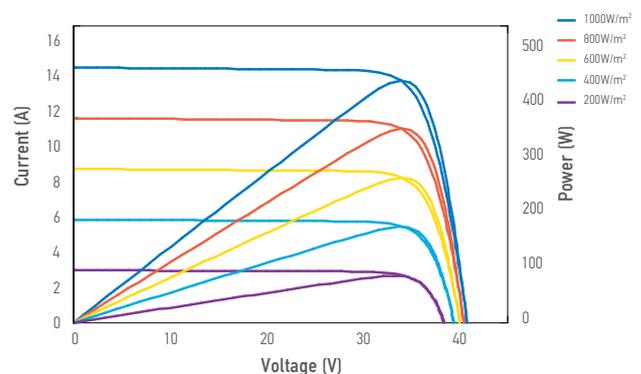
### Dimensions



RECOM assumes no liability or responsibility for any typographical error, layout error, misinformation, any other error, omission, contained herein.

### I-V Curve

The module relative power loss at low light irradiance of 200W/m<sup>2</sup> is less than 3%.



### Temperature Characteristics

P <sub>max</sub> Temperature Coefficient	-0.30% / °C
V <sub>oc</sub> Temperature Coefficient	-0.25% / °C
I <sub>sc</sub> Temperature Coefficient	+0.046% / °C
Operating Temperature	-40~+85 °C
Nominal Operating Module Temperature (NMOT)	44 ± 2 °C

### Packing Configuration

Container	40' HC
Pieces per Pallet	37
Pallets per Container	24
Pieces per Container	(37+37) x 12 = 888 pcs