LEAPTON SOLAR

LEAP SERIES

日本発の太陽光パネルメーカー
LEAP FROM JAPAN TO THE WORLD



SOLAR STEWARDSHIP INITIATIVE MEMBER

LP182*210-M-66Q-NB

POWER RANGE 650-670W

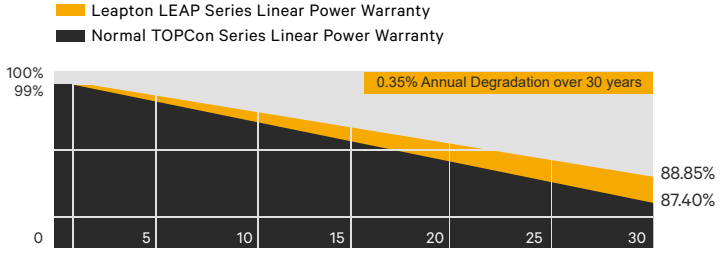


1/ L-TOPCon: The Next Evolution of TOPCon
Enhanced through Advanced Process Innovation for 30~40W Power Gain.

2/ Enhanced Rear-Side Generation
Enhanced structure maximizes light use, boosting TOPCon bifacial efficiency.

3/ Low Light Features
Higher performance under low light environment.

4/ Lower LCOE, Greater Value
Produce More Energy and Increase Your Project Profitability.



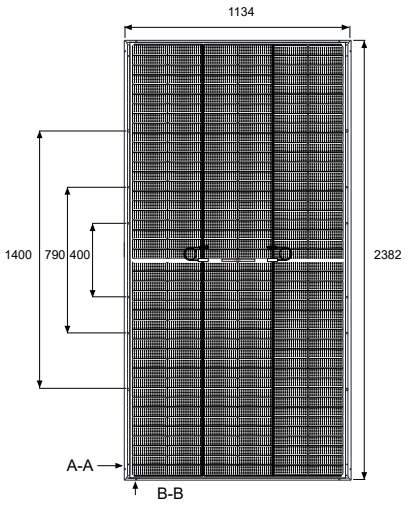
COMPREHENSIVE CERTIFICATES

CE IEC 61215/ 61730 ISO JPEA 太陽光発電協会 MCS CERTIFIED CQC PV CYCLE INMETRO

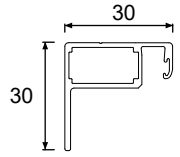
DATASHEET VERSION: 2026 V1

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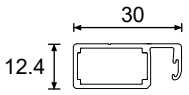
MECHANICAL DIAGRAMS



Frame Cross Section A-A



Frame Cross Section B-B



SPECIFICATIONS

Weight	32.2kg
Dimensions	2382mm*1134mm*30mm
Cell Dimensions	182*210mm
Cell Amount	66*4 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Front glass	2.0mm, Anti-Reflection Coating
Back galss	2.0mm, Heat Strengthened Glass
Frame	Aluminum Alloy
Cable	4mm², N 1400mm/P 1400mm for Horizontal installation 4mm², N 500mm/P 500mm for Vertical installation
Connector	PV-GZX 1500 NINGBO GZX PV TECHNOLOGY CO., LTD.
Bifaciality	Pmax=85±5%, ΦVoc=99±5%, ΦIsc=85±5%
Fire Safety Class	Class C according to ANSI/UL 1703-2018
Country of Manufacturer	China

ELECTRICAL PARAMETERS AT STC

Module Name	LP182*210-M-66Q -NB-650W	LP182*210-M-66Q -NB-655W	LP182*210-M-66Q -NB-660W	LP182*210-M66Q -NB-665W	LP182*210-M-66Q -NB-670W
Power	650W	655W	660W	665W	670W
Open Circuit Voltage	50.28V	50.46V	50.64V	50.82V	51.00V
Short Circuit Current	15.98A	16.04A	16.10A	16.15A	16.21A
Maximun Power Voltage	42.60V	42.73V	42.86V	42.99V	43.12V
Maximum Power Current	15.26A	15.33A	15.40A	15.47A	15.54A
Module Efficiency	24.06%	24.25%	24.43%	24.62%	24.80%

* STC: Irradiance 1000W/m 2 , Cell Temperature 25°C, AM=1.5

ELECTRICAL PARAMETERS AT NMOT

	494W				
Power	47.77V	498W	502W	506W	510W
Open Circuit Voltage	13.05A	47.94V	48.11V	48.28V	48.45V
Short Circuit Current	40.04V	13.11A	13.17A	13.21A	13.27A
Maximun Power Voltage	12.34A	40.16V	40.29V	40.42V	40.54V
Maximum Power Current		12.40A	12.46A	12.52A	12.58A

* NMOT: Irradiance 800W/m 2 , Cell Temperature 20°C, AM=1.5

ELECTRICAL PARAMETERS AT BNPI

	724W				
Output Power	50.38V	729W	735W	740W	746W
Open Circuit Voltage	17.81A	50.56V	50.74V	50.92V	51.10V
Short Circuit Current	42.69V	17.88A	17.94A	18.01A	18.08A
Maximun Power Voltage	16.96A	42.83V	42.96V	43.10V	43.22V
Maximum Power Current		17.02A	17.11A	17.17A	17.26A

* BNPI: Front Irradiance 1000W/m 2 , Rear Irradiance 135W/m 2 , Cell Temperature 25°C, AM=1.5

TEMPERATURE CHARACTERISTICS

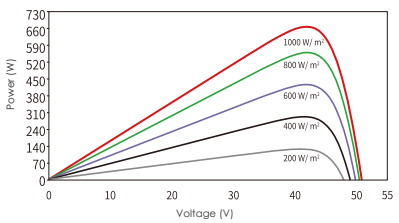
NMOT	41±3°C
Temp Coefficient of ISC	+0.046%/°C
Temp Coefficient of VOC	-0.24%/°C
Temp Coefficient of Pmax	-0.26%/°C

PACKING CONFIGURATION

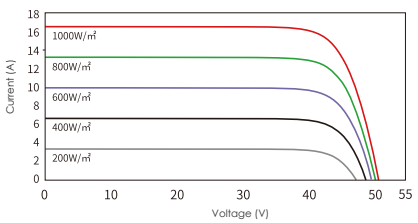
Modules/Pallet	37 Pieces
Packing Description	20 Pallets, Total=(37+37)x10=740 Pieces
Modules/40'Container	740 Pieces

CHARACTERISTICS

LP182*210-M-66Q-NB-670W



LP182*210-M-66Q-NB-670W



MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+70°C
Wind Load/Snow Load	2400pa/5400pa
Fuse Current	30A

25 YEARS PRODUCT WARRANTY

30 YEARS POWER WARRANTY