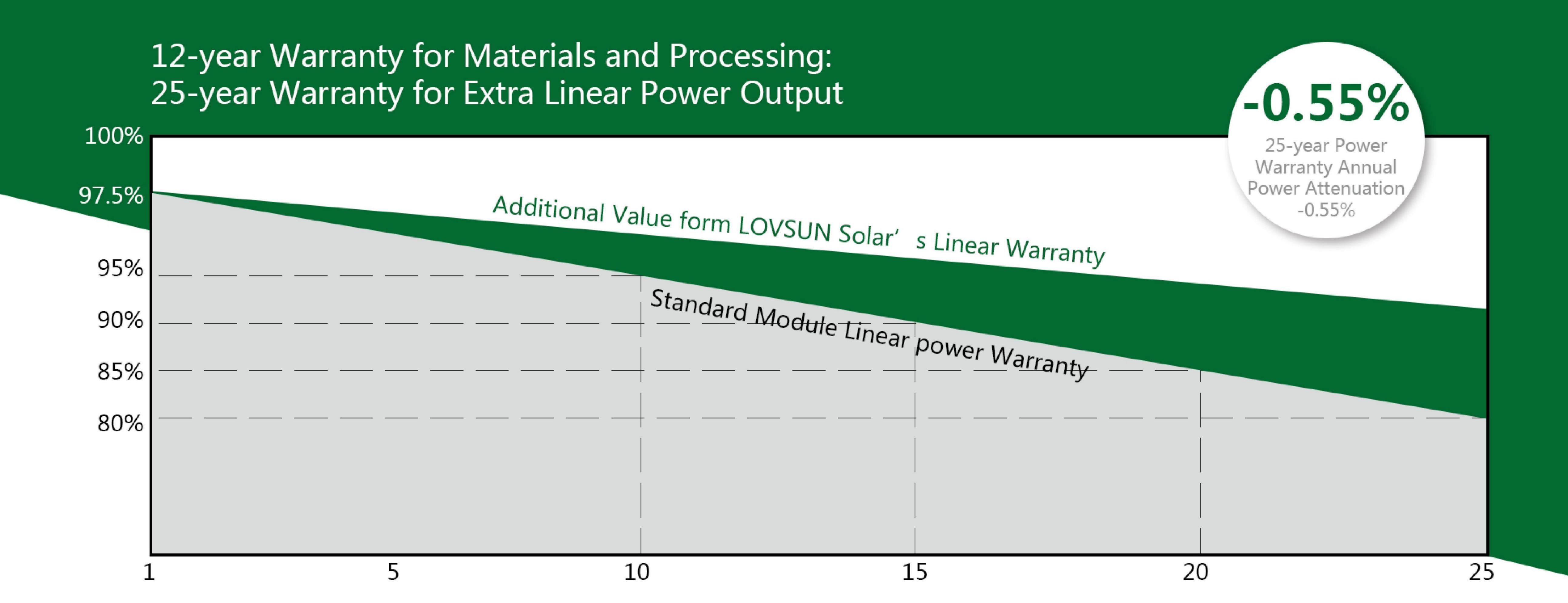


# LRB182-54HPH 390-410VV



Higher Output Power Low Light Features
Harsh Environmental





### Higher Output Power

Module adopts 108 pcs of 182\*182mm half cells, the maximum power can reach 410W.



#### MBB Cell

New circuit design, lower internal current, lower internal resistance loss.



#### Low Light Features

Higher performance under low light enviroment.



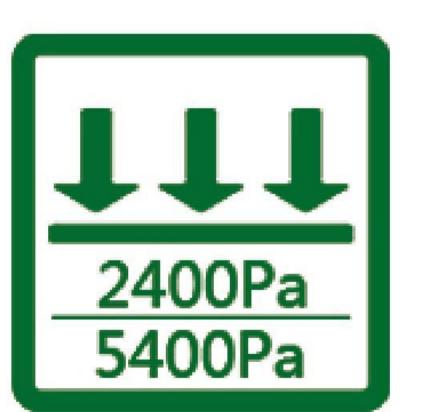
#### PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



#### Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.



#### Load Capacity

Mechanical load tests including wind load 2400Pa and snow load 5400Pa done by TUV Nord.













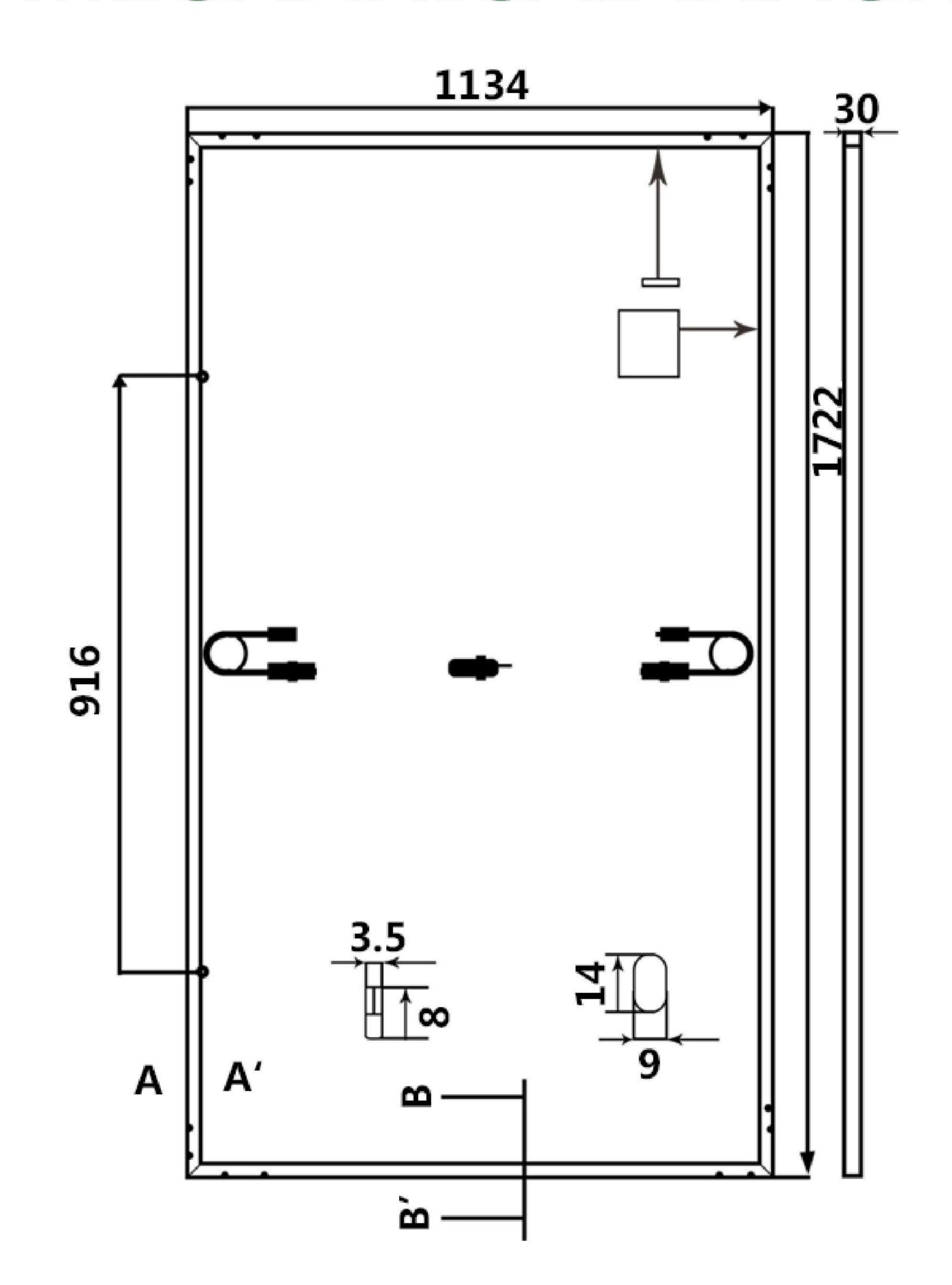








## MECHANICAL DIAGRAMS



## **SPECIFICATIONS**

Weight	20.5kg
Dimensions	1722mm*1134mm*30mm
Cell Amount	54*2pcs
Maximum System V	oltage 1500V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm2,Landscape:N 1100mm/P 1100mm Portrait:N 200mm/P300mm
Connector	MC4 compatible
Application Level	Class A

## ELECTRICAL PARAMETERS AT ATC

Power	390W	395W	400W	405W	410W
Open Circuit Voltage	36.54V	36.74V	36.94V	37.14V	37.34V
Short Circuit Current	13.50A	13.55A	13.60A	13.65A	13.70A
Maximun Power Voltage	30.42V	30.62V	30.82V	31.02V	31.22V
Maximum Power Current	12.82A	12.88A	12.94A	13.00A	13.06A
Module Efficienty	19.95%	20.20%	20.46%	20.72%	20.97%

<sup>\*</sup>Under Standard Test Conditions(STC) of irradiance of 1000 W/m2, spectrum AM 1.5 and cell temperature of 25°C.

## ELECTRICAL PARAMETERS AT NMOT

Power	287W	291W	295W	298W	302W
Open Circuit Voltage	34.09V	34.29V	34.49V	34.69V	34.89V
Short Circuit Current	10.60A	10.65A	10.70A	10.75A	10.80A
Maximun Power Voltage	28.38V	28.58V	28.78V	28.98V	29.18V
Maximum Power Current	10.11A	10.18A	10.25A	10.28A	10.35A
Module Efficienty	14.68%	14.88%	15.09%	15.24%	15.45%

<sup>\*</sup>Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m2, spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s.

#### TEMPERATURE CHARACTERISTICS

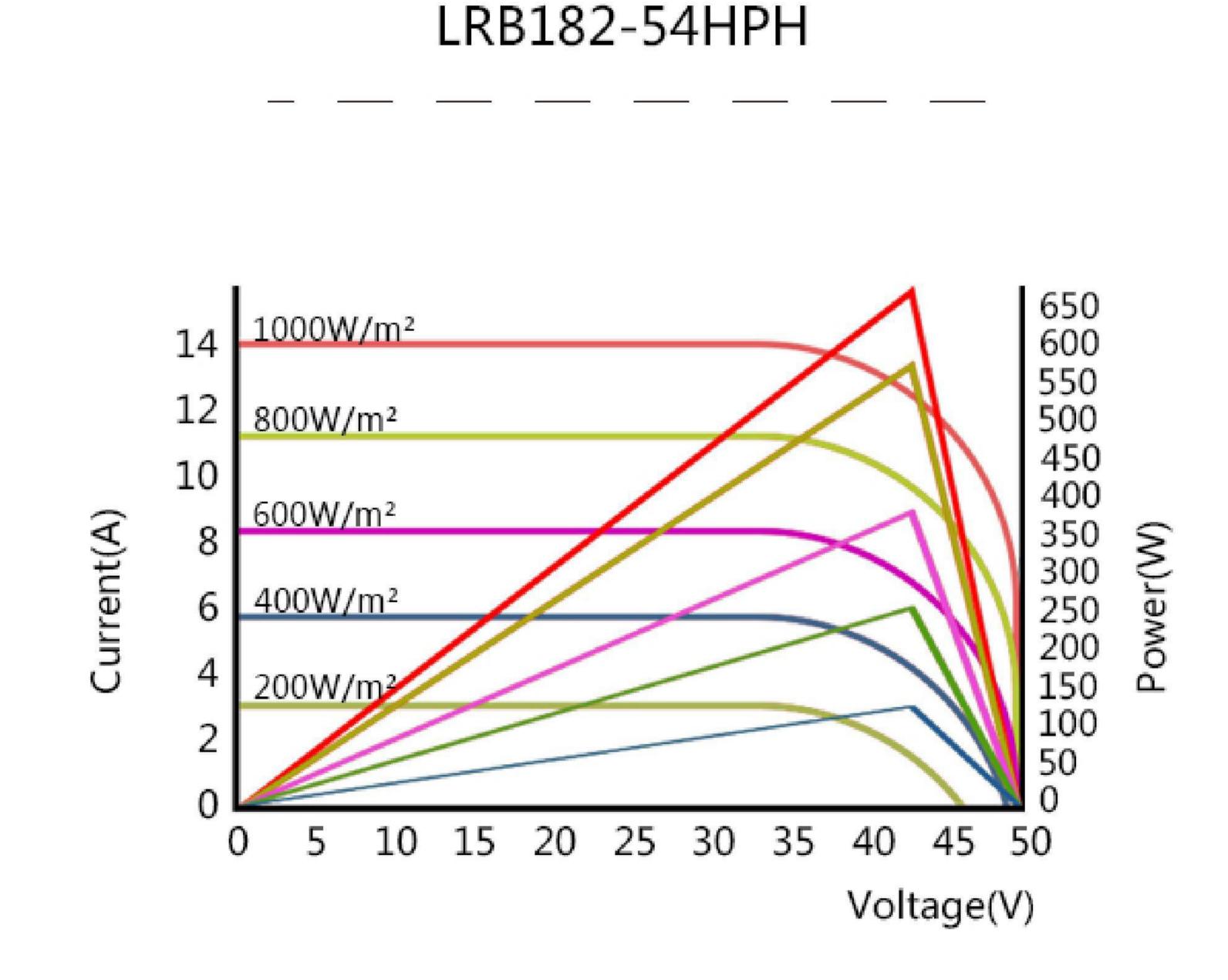
NMOT	41±3°C	Temp Coefficient of ISC	+0.05%/°C
Temp Coefficient of VOC	-0.28%/°C	Temp Coefficient of Pmax	-0.36%/°C

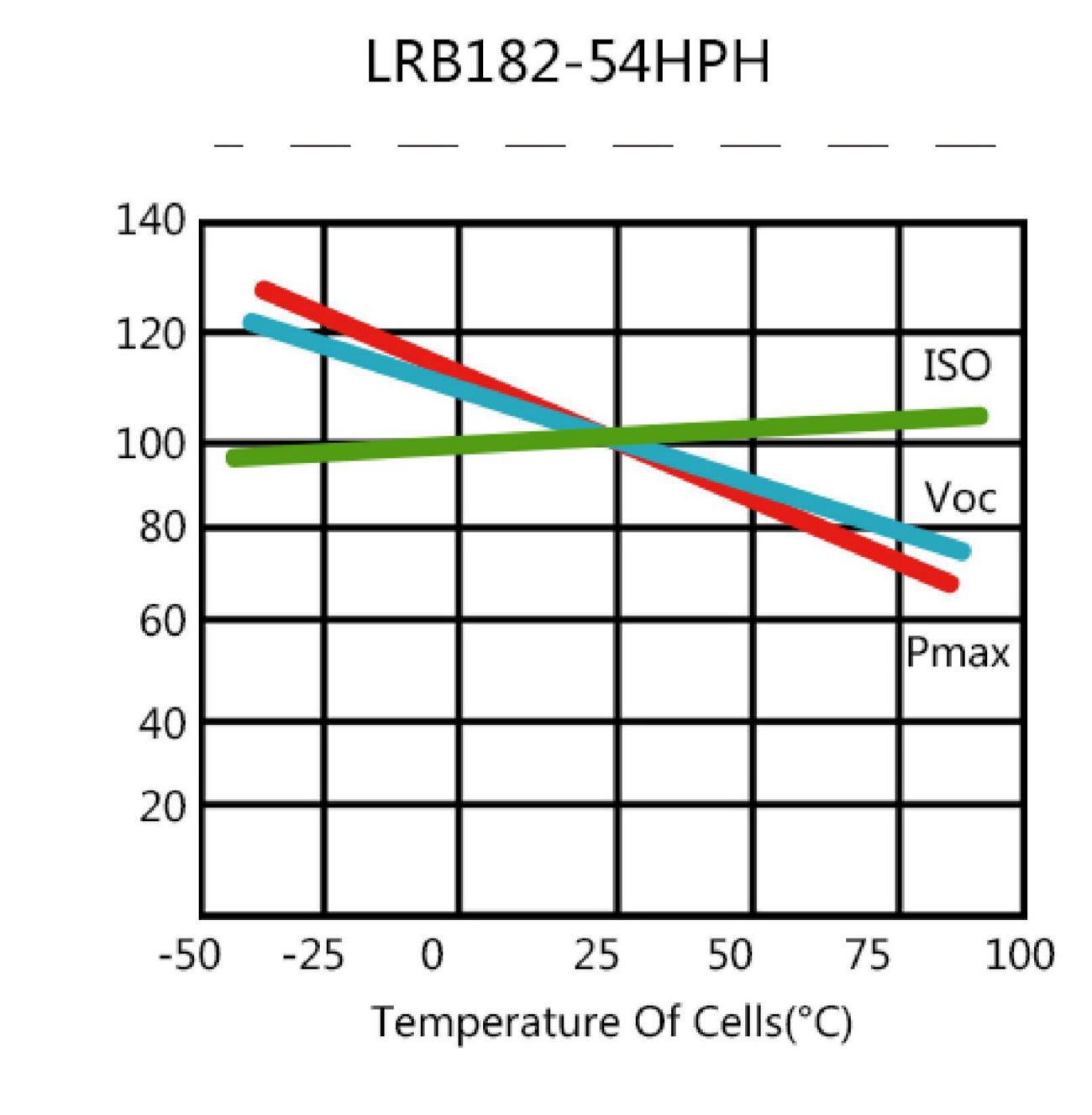
# PACKING CONFIGURATION

Modules/Pallet 36 Pieces Modules/40' Container 936Pieces

Packing Description 26Pallets, Total= $(36+36)\times13=936$ Pieces

# CHARACTERIATICS





# MAXIMUM RATING

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400Pa/5400Pa

Fuse Current 25A



