

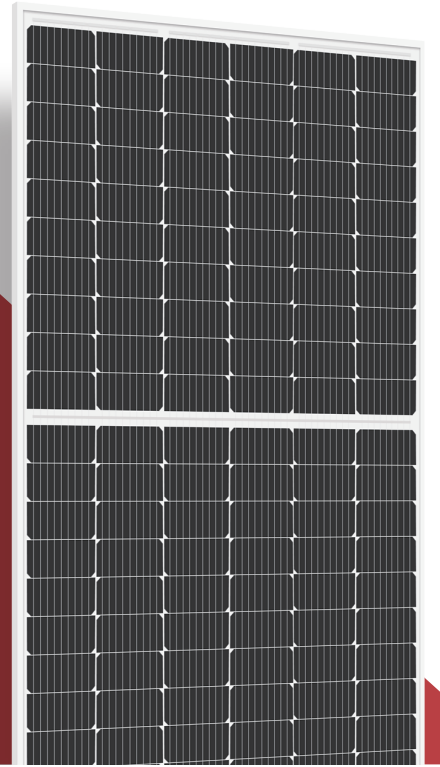


# HUGE SOLAR

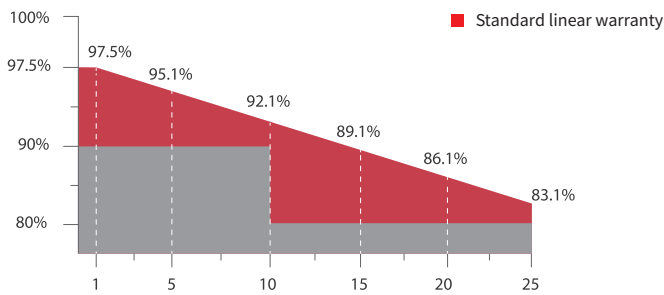
## HS-M182H654-390-410W

# 390-410W Mono

Suitable for ground power plants and large projects. 182mm silicon wafers with multi-busbar and half-cut cell technologies. Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas. High module quality ensures long-term reliability.



### Linear performance Warranty



Linear performance warranty



Product warranty

### Comprehensive Certificates

#### CERTIFICATION

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



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HUGE SOLAR

# HS-M182H654-390-410W

## Electrical Specification (STC\*)

		390	395	400	405	410
Maximum Power	P <sub>max</sub> (W)	390	395	400	405	410
Maximum Power Voltage	V <sub>mp</sub> (V)	30.76	30.98	31.18	31.38	31.59
Maximum Power Current	I <sub>mp</sub> (A)	12.69	12.76	12.83	12.91	12.98
Open Circuit Voltage	V <sub>oc</sub> (V)	36.62	36.84	37.04	37.24	37.45
Short Circuit Current	I <sub>sc</sub> (A)	13.59	13.66	13.73	13.81	13.88
Module Efficiency	(%)	19.9	20.2	20.5	20.7	21.0
Power Output Tolerance	(W)	0~+5				

\* Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

## Electrical Specification (NOCT\*)

		294	298	302	306	309
Maximum Power	P <sub>max</sub> (W)	294	298	302	306	309
Maximum Power Voltage	V <sub>mp</sub> (V)	28.40	28.60	28.80	29.00	29.20
Maximum Power Current	I <sub>mp</sub> (A)	10.38	10.44	10.50	10.56	10.62
Open Circuit Voltage	V <sub>oc</sub> (V)	34.40	34.60	34.80	35.00	35.20
Short Circuit Current	I <sub>sc</sub> (A)	10.93	10.98	11.04	11.10	11.16

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## Mechanical Data

Number of Cells	108 Cells (6×18)
Dimensions of Module L*W*H (mm)	1726×1134×35mm (67.95×44.64×1.38 inches)
Weight (kg)	22.1 kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 300mm (11.8 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

\* For more details please check the installation manual

## Temperature Ratings

Nominal Operating Cell Temperature [NOCT]	44±2°C
Temperature Coefficient of I <sub>sc</sub>	+0.048%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.270%/°C
Temperature Coefficient of P <sub>MAX</sub>	-0.350%/°C

## Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

## Packaging Configuration

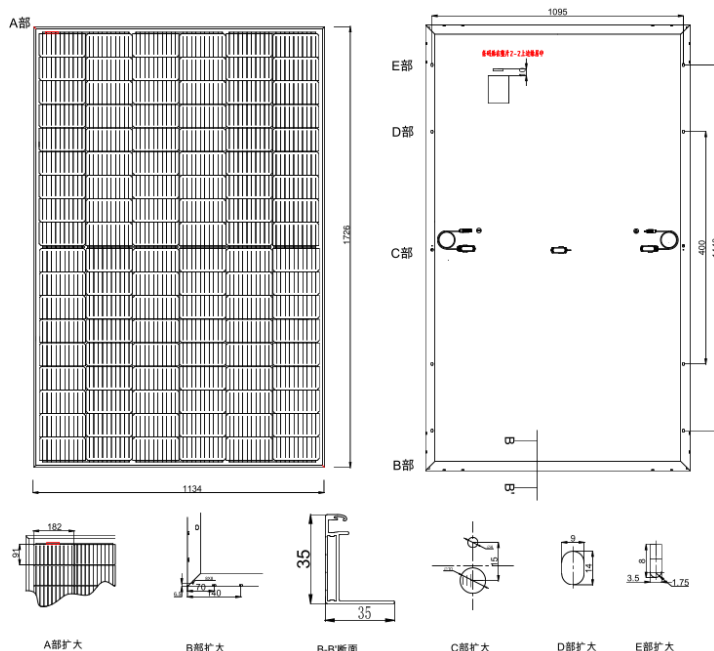
Module per box	31 pieces
Module per 40' container	806 pieces

## Optional

Connector	MC Original
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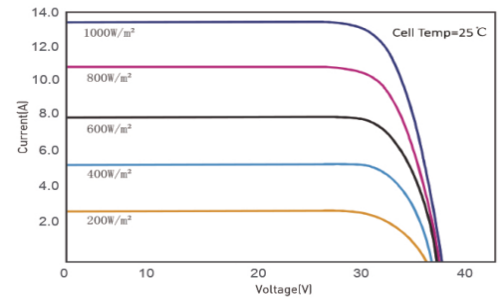
## ENGINEERING DRAWINGS

### 182版型108组件-35型材-总装图纸



## IV CURVES

### I-V Curve at Different Temperature (405W)



### I-V/P-V Curve at Different Irradiation (405W)

