




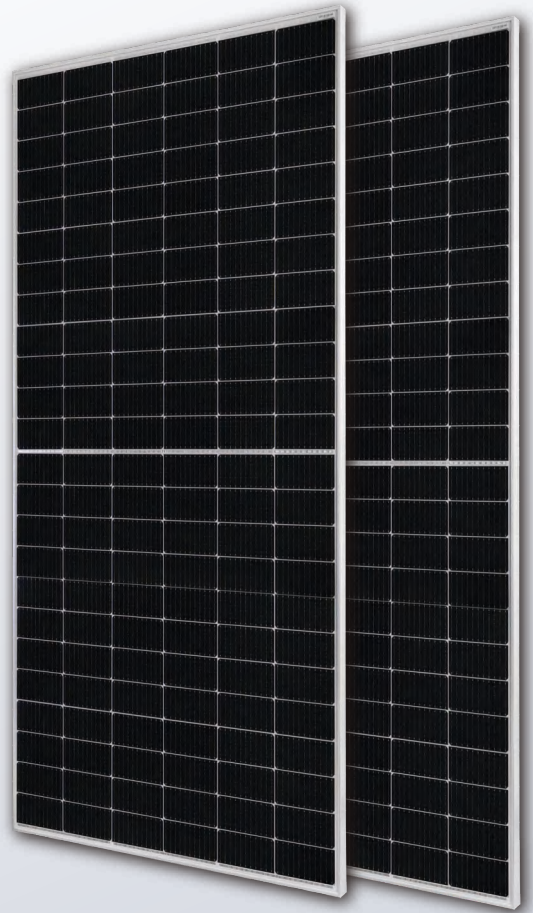


### Mono BLUE 3.0

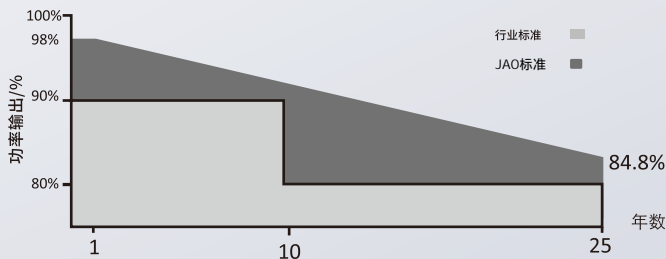
640 ~ 665W

#### 组件特性

- 
**高效**  
 领先掺杂PERC技术的运用, 转换效率最高至21.29%, 首年衰减 $\leq 2\%$
- 
**弱光性能**  
 玻璃和电池表面处理技术的运用, 使组件在弱光环境下仍获得优异的性能
- 
**高可靠性**  
 CNAS认可、TUV和VDE认证的实验室内部测试, 严格的质量管控确保组件的高可靠性
- 
**机械载荷强化设计**  
 尖端设计, 使组件通过5400Pa正面雪载荷和2400Pa风载荷认证
- 
**PID FREE**  
 优异的抗PID表现  
 创新的电池技术, 使组件免于电势差所诱发的衰减



单晶组件线性功率保证



12年产品质保

25年线性功率质保

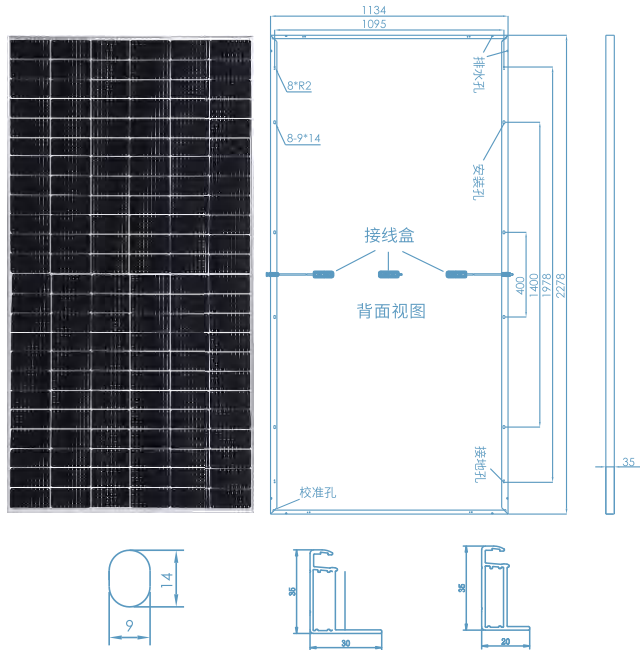




# 655 W MBB Half-cell Module

JAO640-655-DE21M(20) Series

## 组件尺寸



## 尺寸参数 SPECIFICATIONS

Cell	Mono
Weight	33.5 kg
Dimensions	2384±2mm×1303±2mm×35±1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC) , 12 AWG(UL)
No. of cells	132(6*11+6*11)
Junction Box	IP68, 3 diodes
Connector	MC4-EVO2/ QC 4.10-35
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-); Landscape: 1300mm(+)/1300mm(-)
Packaging Configuration	31pcs/Pallet 620Pcs/40HQ Container

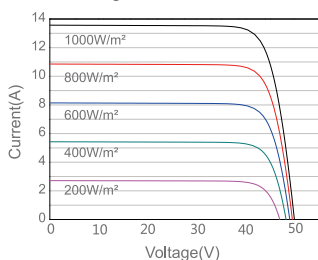
## ELECTRICAL PARAMETERS AT STC

TYPE	JAO640 -DE21M(20)	JAO645 -DE21M(20)	JAO650 -DE21M(20)	JAO655 -DE21M(20)	JAO660 -DE21M(20)	JAO665 -DE21M(20)
Rated Maximum Power(Pmax) [W]	640	645	650	655	660	665
Open Circuit Voltage(Voc) [V]	44.90	45.10	45.30	45.50	45.70	45.90
Maximum Power Voltage(Vmp) [V]	37.00	37.20	37.40	37.60	37.80	38.00
Short Circuit Current(Isc) [A]	18.32	18.38	18.44	18.48	18.53	18.57
Maximum Power Current(Imp) [A]	17.30	17.34	17.39	17.43	17.47	17.51
Module Efficiency [%]	20.7	20.8	20.9	21.0	21.1	21.2
Power Tolerance	0~+5W					
Temperature Coefficient of Isc( $\alpha_{Isc}$ )	+0.05%/°C					
Temperature Coefficient of Voc( $\beta_{Voc}$ )	-0.30%/°C					
Temperature Coefficient of Pmax( $\gamma_{Pmp}$ )	-0.39%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G					

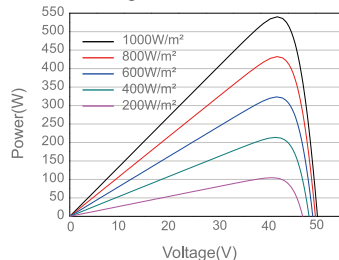
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## CHARACTERISTICS

Current-Voltage Curve JAO640-DE21M(20)



Power-Voltage Curve JAO640-DE21M(20)



Current-Voltage Curve JAO640-DE21M(20)

