



FAK\_E7D / 120 cells  
345W-365 W  
Mono-Crystalline PV Module

URE Peach module uses URE state-of -the art cell cutting technology, and advanced module manufacturing experiences.



Munich RE



## Key Features



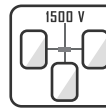
Positive power tolerance  
+0 ~ +4.99 watt



100% EL inline inspection  
Better module reliability



Withstand heavy loading  
front load 5400 Pa & rear load 2400 Pa



Design for 1500 VDC  
Reduce the system BOS effectively



Excellent low light performance  
3.5% relative eff. Reduction at low-irradiance (200W/m<sup>2</sup>)



### Electrical Data

Model - STC		FAK345E7D	FAK350E7D	FAK355E7D	FAK360E7D	FAK365E7D
Maximum Rating Power (Pmax)	[W]	345	350	355	360	365
Module Efficiency	[%]	18.93	19.21	19.48	19.76	20.03
Open Circuit Voltage (Voc)	[V]	40.68	40.86	41.05	41.25	41.47
Maximum Power Voltage	[V]	33.76	34.02	34.21	34.42	34.63
Short Circuit Current (Isc)	[A]	10.78	10.86	10.94	11.02	11.10
Maximum Power Current	[A]	10.22	10.29	10.38	10.46	10.54

\*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5  
 \*Values without tolerance are typical numbers.Measurement tolerance: ±3%

### Mechanical Data

Item	Specification
Dimensions	1755 mm (L) <sup>1</sup> x 1038 mm (W) <sup>1</sup> x 35 mm (D) <sup>2</sup> / 69.09" (L) <sup>1</sup> x 40.87" (W) <sup>1</sup> x 1.38" (D) <sup>2</sup>
Weight	19.2 kg / 42.33 lbs
Solar Cell	Mono / 83 mm x 166mm
Front Glass	3.2mm thickness
Junction Box	IP 68 , 3 diodes
Frame	Anodized Aluminum Alloy
Connector Type	Forward 01C1
Cable Type	4.0 mm <sup>2</sup> , cable length : 1300 mm
Package Configuration	30pcs Per Pallet, 780 pcs per 40' HQ container

<sup>1</sup> : With assembly tolerance of ± 2 mm [ ± 0.08 " ]  
<sup>2</sup> : With assembly tolerance of ± 0.8 mm [ ± 0.03 " ]

### Operating Conditions

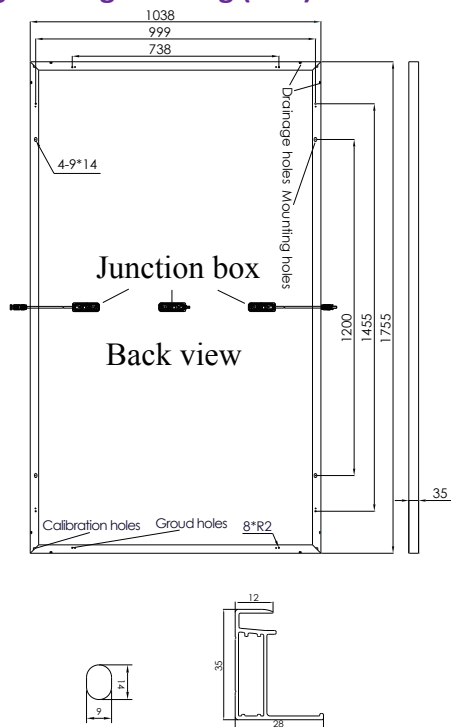
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

### Temperature Characteristics

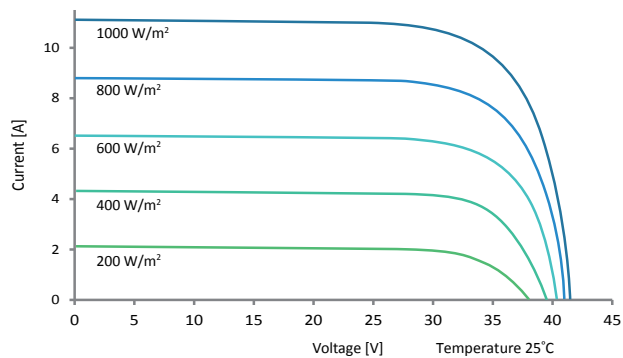
Item	Specification
Nominal Module Operating Temperature	43°C ± 2°C
Temperature Coefficient of Isc	0.039 % / °C
Temperature Coefficient of Voc	-0.295 % / °C
Temperature Coefficient of Pmax	-0.39% / °C

\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.  
 \*Reduction in efficiency from 1000W/m<sup>2</sup> to 200W/m<sup>2</sup> at 25°C: 3.5 ± 2%.

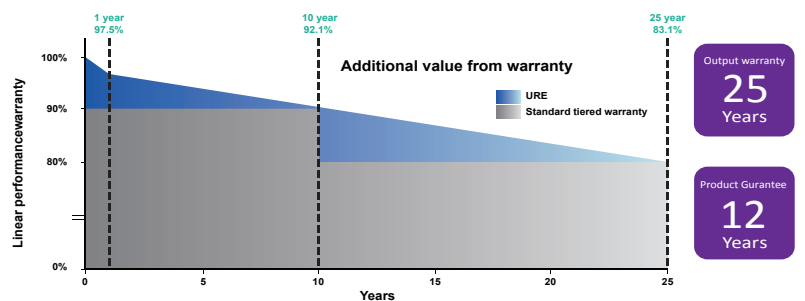
### Engineering Drawing (mm)



### Dependence on Irradiance



### Reliability with Warranty



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