



URE

United Renewable Energy Co., Ltd.

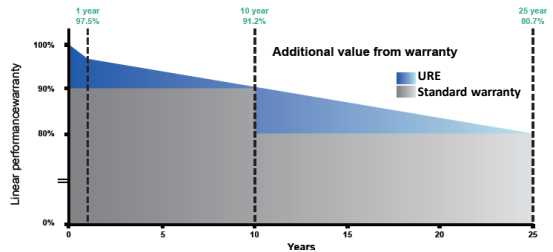
EN



F7M_H7A 300W – 320W

Half-cut cell Mono-Crystalline PV Module

Reliability with Warranty



Output warranty
25
Years

Product Guarantee
10
Years

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



Ammonia resistance

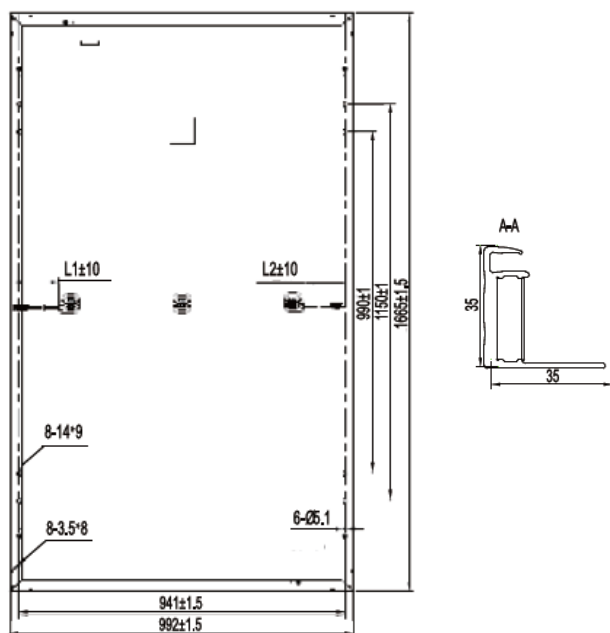


URE United Renewable Energy Co., Ltd.
聯合再生能源股份有限公司

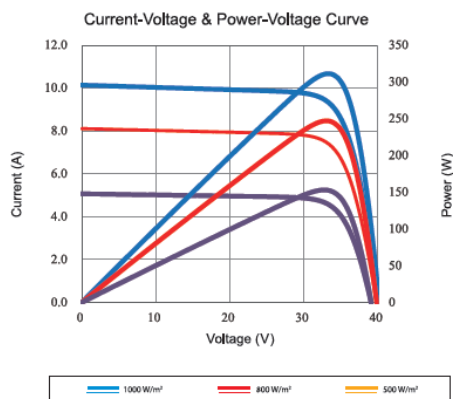
For more information, please visit us at www.urecorp.com

Half-cut cell Mono-Crystalline PV Module

Module Dimensions (mm)



I-V Curve



Mechanical Data

Solar Cells	Monocrystalline 156.75*78.375mm
No.of Cells	120 (6 ×20)
Dimensions	1665mm×992mm×35mm (66.0×39×1.4in)
Weight	19.0kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Cable	4mm² (IEC)
Packaging Configuration	30pcs/box, 840pcs/40'HQ Container

Temperature Characteristics

Temperature Coefficient of Pmax	γ (Pm)	-0.39%/K
Temperature Coefficient of Voc	β (Voc)	-0.29%/K
Temperature Coefficient of Isc	α (Isc)	0.049%/K

Electric Data

Module	F7M300H7A	F7M305H7A	F7M310H7A	F7M315H7A	F7M320H7A
Maximum Power at STC(Pmax)	300W	305W	310W	315W	320W
Open-Circuit Voltage(Voc)	39.8V	40.0V	40.2V	40.4V	40.6V
Short-Circuit Current(Isc)	9.90A	10.00A	10.12A	10.23A	10.34A
Optimum Operating Voltage (Vmp)	32.9V	33.1V	33.3V	33.5V	33.7V
Optimum Operating Current(Imp)	9.13A	9.23A	9.32A	9.42A	9.51A
Module Efficiency	18.2%	18.5%	18.8%	19.1%	19.4%
Power Tolerance	0 ~ +5W				
Maximum System Voltage	1000V/1500V DC(IEC)				
Maximum Series Fuse Rating	15A				
Operating Temperature	-40 °C to +85 °C				

STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements



Taipei Office

9F, No. 295, Sec. 2, Tiding Blvd.,
Neihu Dist., Taipei 11493, Taiwan
Tel : +886-2-2656-2000
Fax : +886-2-2656-0593

Headquarters

No. 7, Li-Hsin 3rd Road, Hsinchu Science Park
Hsinchu city 30078, Taiwan
Tel : +886-3-578-0011
Fax : +886-3-578-1255