



URE

United Renewable Energy Co., Ltd.

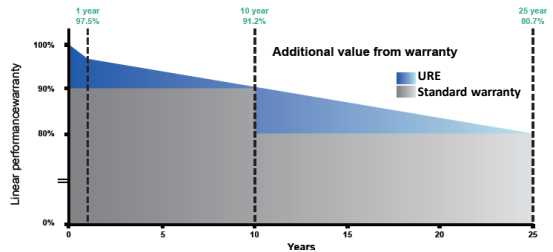
EN



F7P_H7A 270W – 290W

Half-cut cell Poly-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

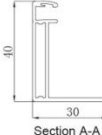
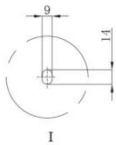
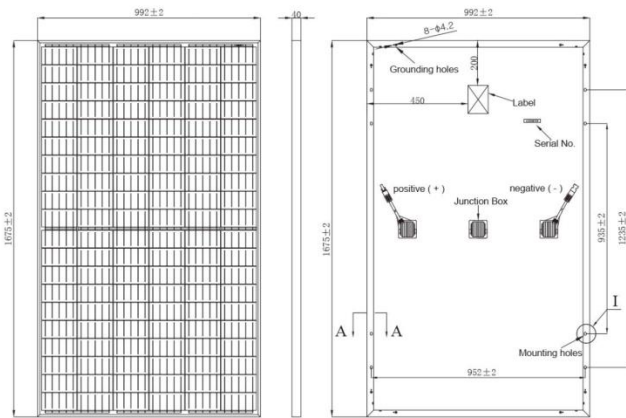


URE United Renewable Energy Co., Ltd.
聯合再生能源股份有限公司

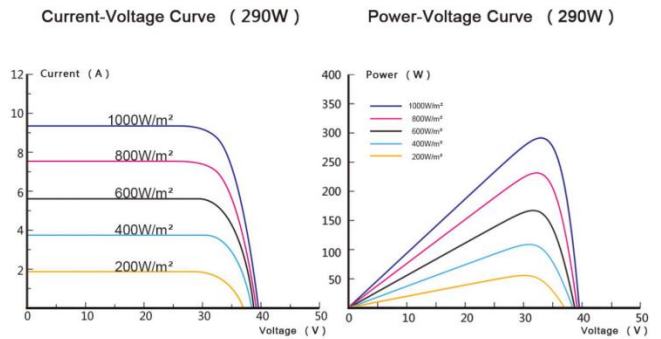
For more information, please visit us at www.urecorp.com

Half-cut cell Poly-Crystalline PV Module

Module Dimensions (mm)



I-V Curve



Mechanical Data

Cell Type	156.75x78.375mm Polycrystal
Cell Orientation	120 (6x20)
Module Dimensions	1675x992x40mm
Weight	19kg
Front Cover	3.2mm high transmittance, reinforced glass
Back Sheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP67
Cable	4.0mm ² photovoltaic special cable
Connector	MC4 compatible connector

Packaging Capacity

Each box capacity: 26 pcs
 Container load capacity per 40 feet: 676 pcs

Electric Data

Module Type	F7P270H7A		F7P275H7A		F7P280H7A		F7P285H7A		F7P290H7A	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Conditions										
Maximum Output Power(Pm)	270W	200W	275W	203W	280W	207W	285W	211W	290W	215W
Maximum Power Voltage(Vmp)	31.47V	29.68V	31.83V	29.86V	32.19V	30.18V	32.54V	30.50V	32.88V	30.81V
Maximum Power Current(Imp)	8.58A	6.74A	8.64A	6.80A	8.70A	6.86A	8.76A	6.92A	8.82A	6.98A
Open-circuit Voltage(Voc)	38.18V	36.23V	38.54V	36.50V	38.90V	36.96V	39.26V	37.42V	39.68V	37.88V
Short-circuit Current(Isc)	9.08A	7.23A	9.15A	7.28A	9.23A	7.33A	9.31A	7.38A	9.39A	7.43A
Module Conversion Efficiency(STC)	16.25%		16.55%		16.85%		17.15%		17.45%	
Maximum System Voltage	1000/1500V									
Operating Temperature	-40°C~+85°C									
Temperature Coefficient(Pm)	-0.394%/°C									
Temperature Coefficient(Voc)	-0.307%/°C									
Temperature Coefficient(Isc)	0.04%/°C									
Cell Rated Operating Temperature(NOCT)	45±2°C									

STC : ☀️ Light intensity 1000W/m² 🌡️ Environment temperature : 25°C 🌬️ Air quality : AM1.5
 NOCT : ☀️ Light intensity 800W/m² 🌡️ Environment temperature : 20°C 🌬️ Air quality : AM1.5 🌀 Wind speed : 1m/s



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