

515W~525W

Monocrystalline silicon Light weight flexible solar panel



Key Features

Lightweight

Optimized composite materials, 60% lighter at the same power

Flexible

Special manufacturing process and materials provide bending ability

Excellent Appearance and Performance

Esthetics module design, no flare effect, "0" risk of micro crack

Easy transportation and installation

Original design making it far less costly for transportation and installation

Customization

Customization for various senarios, high additional value

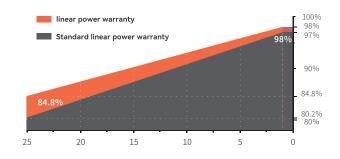
Superior Low Irradiance Performance

Excellent low irradiance performance, increase power generation in low-light conditions like mornings, evenings and cloudy days

Quality system: ISO 9001: 2005



Linear Performance Warranty

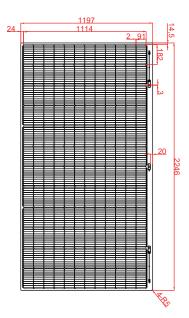


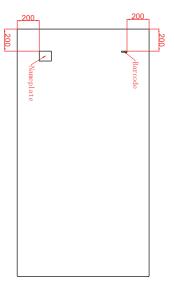
Leading product and power warranty

12 Materials and workmanship warranty

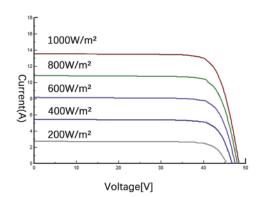
25 Linear power warranty

The size of module





Characteristic Curves





Electrical Characteristics

ITEM	PURES-515-F8MA	PURES-520-F8MA	PURES-525-F8MA		
Maximum Power (Pmax)	515W	520W	525W		
Maximum Power Voltage (Vmp)	40.2V	40.3V	40.4V		
Maximum Power Current(Imp)	12.85A	12.94A	13.03A		
Open-circuit Voltage (Voc)	48.3V	48.4V	48.5V		
Short-circuit Current(lsc)	13.48A	13.56A	13.67A		
Module Efficiency(%)	19.16%	19.34%	19.53%		
Operating Temperature		-40 ℃ to 85 ℃			
Maximum System Voltage		1500VDC			
Maximum Series Fuse Rating		25A			
Application Cla ss		Class A			
Power Tolerance		0~+5 W			
STC:Irradiance 1000W/m ² , module temp	erature 25°C AM=1.5				

ule temperature 25°C, AM=1.5

Mechanical Characteristics

Solar Cell	Monocrystalline sillicon cell		
Cell Size	182×91mm		
No. of cells	144		
	L:2246*W:1197*H:3 mm		
Module Dimensions	L:2246*W:1197*H:18 mm(J-Box included)		
Weight	9.1kg		
Backsheet	White PV Backsheet		
J-Box	IP 67		
Output cables	4mm²		
Cable length	(+)/(-) 500 mm		
Connector	MC4 compatible		

Temperature Characteristics

NOCT(Nominal Operating Cell Temperature)	41 ± 2 ℃
Temperature Coefficient of Pmax	-0.38%/ ℃
Temperature Coefficient of Voc	-0.28%/ ℃
Temperature Coefficient of Isc	0.020%/°C

Packaging

Container	20'GP	40'HQ	
Pieces per pallet	70	70	
Pieces per container	350	700	

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