

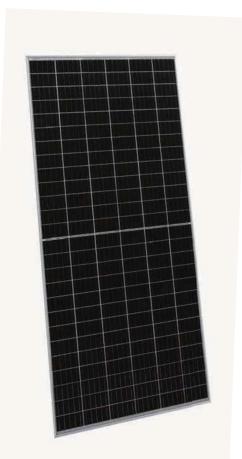
Cheetah Plus HC 78M-V 425-440 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

- · Half Cell
- · Mono PERC 78 Cell









5 Busbar Solar Cell

5 busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance, making it perfect for rooftop installation.



High Voltage

UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



High Efficiency

Higher module conversion efficiency (up to 20.37%) benefit from half cell structure (low resistance characteristic).



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.





12 Year Product Warranty • 25 Year Linear Power Warranty



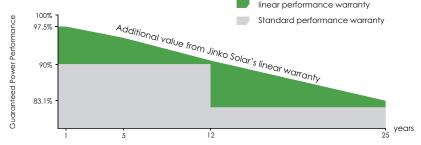






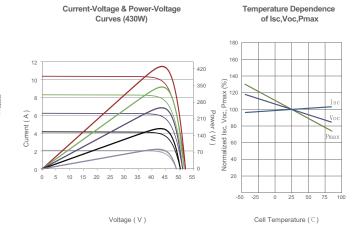


- ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory
- IEC61215, IEC61730, UL1703 certified product



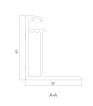
Engineering Drawings

Electrical Performance & Temperature Dependence









Packaging Configuration

(Two pallets =One stack)

27pcs/pallet , 54pcs/stack, 540pcs/40'HQ Container

Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm			
No.of Half-cells	156 (6×26)			
Dimensions	2167×997×40mm (85.31×39.25×1.57 inch)			
Weight	24.5 kg (54.0 lbs)			
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass			
Frame	Anodized Aluminium Alloy			
Junction Box	IP67 Rated			
TÜV 1x4.0mm², Output Cables Anode 290mm, Cathode 145mm or Customized Length				

SPECIFICATIONS

JKM425M-78H-V	JKM430M-78H-V	JKM435M-78H-V	JKM440M-78H-V
STC NOCT	STC NOCT	STC NOCT	STC NOCT
425Wp 316Wp	430Wp 319Wp	435Wp 323Wp	440Wp 327Wp
43.64V 40.35V	43.75V 40.51V	43.86V 40.67V	43.96V 40.88V
9.74A 7.82A	9.83A 7.88A	9.92A 7.94A	10.01A 7.99A
52.14V 49.11V	52.25V 49.21V	52.36V 49.32V	52.47V 49.42V
10.29A 8.31A	10.37A 8.38A	10.45A 8.44A	10.53A 8.50A
19.67%	19.90%	20.13%	20.37%
-40°C~+85°C			
1500VDC (IEC)			
20A			
0~+3%			
-0.36%/°C			
-0.28%/℃			
0.048%/℃			
45±2°C			
	STC NOCT 425Wp 316Wp 43.64V 40.35V 9.74A 7.82A 52.14V 49.11V 10.29A 8.31A	STC NOCT STC NOCT 425Wp 316Wp 430Wp 319Wp 43.64V 40.35V 43.75V 40.51V 9.74A 7.82A 9.83A 7.88A 52.14V 49.11V 52.25V 49.21V 10.29A 8.31A 10.37A 8.38A 19.67% 19.90% -40°C~ 1500VD 20 0~+ -0.36 -0.28 0.048	STC NOCT STC NOCT STC NOCT 425Wp 316Wp 430Wp 319Wp 435Wp 323Wp 43.64V 40.35V 43.75V 40.51V 43.86V 40.67V 9.74A 7.82A 9.83A 7.88A 9.92A 7.94A 52.14V 49.11V 52.25V 49.21V 52.36V 49.32V 10.29A 8.31A 10.37A 8.38A 10.45A 8.44A 19.67% 19.90% 20.13% -40°C~+85°C 1500VDC (IEC) 20A 0~+3% -0.36%/°C -0.28%/°C 0.048%/°C







NOCT: Firadiance 800W/m² Ambient Temperature 20°C AM=1.5







^{*} Power measurement tolerance: ± 3%