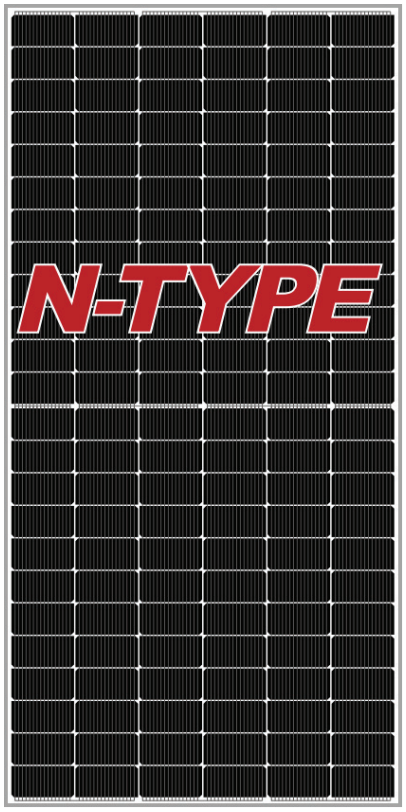
Solar Panel

NCTS-SP595WM

High Efficiency High Quality Py Module

NCTS-SP595WM



Product Features

- Using high efficiency solar cells
- High quality junction box and connector systems
- 100% inspection to guarantee the reliability ofsolar systems

Technology:

- Excellent performance in low-light environment
- High transmissivity, low-iron tempered glass

Product Advantage:

- 16 Busbar Solar Cell (182*182mm)16 busbar solar cell adopts new technologyto improve the efficiency of modules
- High VoltageUL and lEc 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).
- Low-light Performance Advanced glass and cell surface textured design ensureexcellent performance in low-light environment.
- Durability Against Extreme Environmental ConditionsHigh salt mist and ammonia resistance certifiedby TUV NORD.
- Severe Weather ResilienceCertified to withstand: wind load (2400 Pascal)and snow load (5400 Pascal).

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Technical Specifications

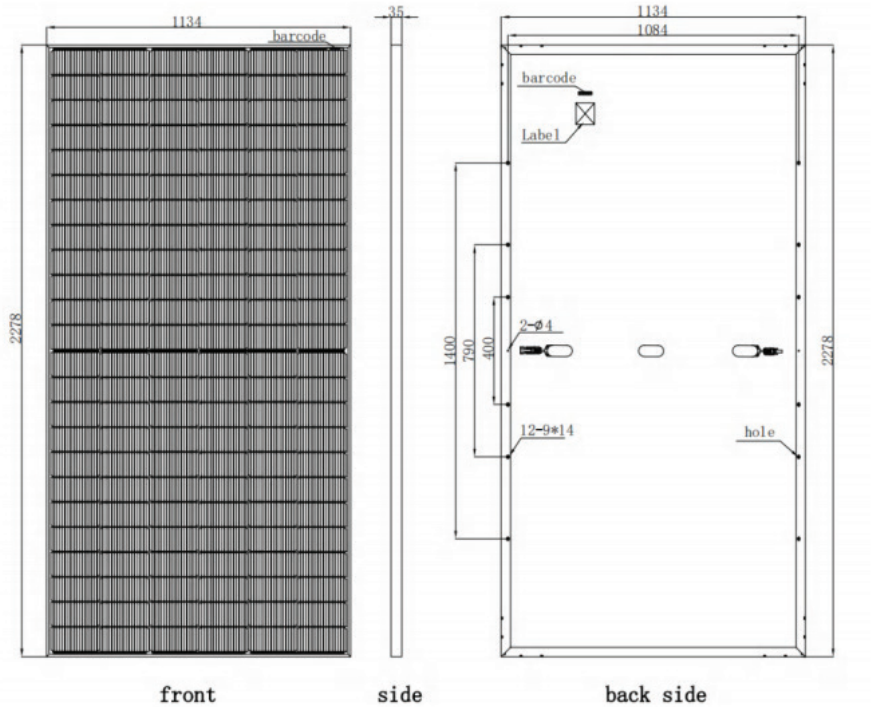
Model: NCTS-SP595WM

Electrical Characteristics

Maximum power(Pmax)	595W
Voltage at Pmax (Vmp)	43.35V
Current at Pmax (Imp)	13.73A
Open-circuit voltage (Voc)	52.81V
Short-circuit current (Isc)	14.35A
Temperature coefficient of Voc	-(0.40 + 0.05)%/°C
Temperature coefficient of Isc	(0.065 +0.01)% /C
Temperature coefficient of power	-(0.5±0.05)%/°C
NOCT (Air 20'C: Sun 0.8kW/m? wind 1m/s)	47+2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1500V DC
Power tolerance	+ 3%
Cells	Monocrystalline solar cell
No. of cells and connections	144(6*24)
Module Dimension	2278*1134*35mm
Weight	27kg

*STC:Irradiance 1000W/m?, AM1.5 spectrum, module temperature 25°C

* Specifications are subject to change without notice at any time.



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