

Elevate Every Rooftop Superior Aesthetics

ASTRO N7s 3.0



Your Premium Rooftop Choice - Seamless, Smart, Strong, Sleek.

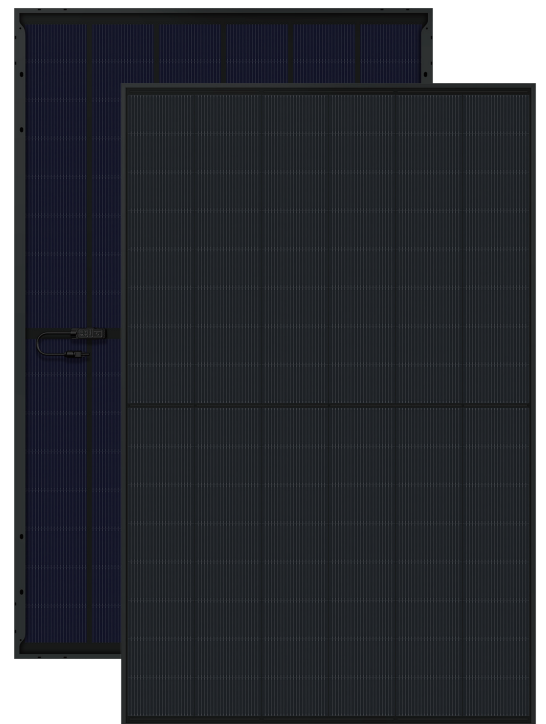
-  More Power, More Energy - Up to 475W | 23.8%
-  Premium All-black Design (Blends with Any Roof)
-  Fast & Easy Installation (One-person Handling)
-  Built to Last (25-year Product Warranty)

CHSM48RN(DG)(BLH)/F-BH

Module Dimension	1762*1134*30 mm
Bifaciality	UP to 80±10%

INDUSTRY-LEADING WARRANTY

Product Warranty 25-year	Liner Power Warranty 30-year
First-year Degradation ≤1%	Annual Degradation ≤0.4%



BUILT FOR REAL ROOFTOPS



More Power from Every Panel

- Up to **475W** output and **23.8%** efficiency for more energy generation.
- More active cell area helps **maximize power production** from the same roof space.
- Generate **more electricity** with every installed module.



Built to Handle Real-World Conditions

- **Excellent resistance** to heat, humidity and harsh environments.
- **Proven protection** against extreme weather, including hail impact.
- Durable double-glass design built for **long-term reliability**.



Premium Aesthetics for Modern Homes

- Clean **all-black appearance** for premium residential projects.
- **Better visual consistency** with fewer visible gaps and distractions.
- **Blends naturally** with modern rooftops and architectural styles.



Easier to Install, Easier to Deploy

- Compact size under 2m² allows **one-person handling and installation**.
- **Compatible** with most mainstream mounting systems.
- Faster installation with **lower labor requirements**.

COST-EFFECTIVENESS SOLUTIONS

Compared with 455W SMBB modules, ASTRO N7s 3.0 will generate an extra 440kWh of green electricity annually.

This is enough to power home appliances each month as shown below:



9 Loads
1kwh/load

+



17 Cycles
1.2kwh/cycle

+



73 Hours
0.1kwh/hour

WHY ASTRONERGY

Trusted EU Presence

With deep localization in Europe since 2013, and supported by 55+ local professionals across key functions including Sales, GTS, MKT, After Sales, Logistics, Finance, and IT

Extensive PV Experience

The parent company, CHINT Group as the only company worldwide ranked BNEF Tier 1 in PV modules, inverters and energy storage

Stable Supply Chain

Diversified global supply chain with 12 advanced manufacturing bases, including Turkey, ensuring stable production and on-time delivery

First-Tier Traceability

A first-tier traceability system that guarantees full transparency and reliability for high-quality products

Consistently Improving Bankability

Consistently enhanced financial stability, building a reliable reputation with investors and financial institutions

Industry-Leading Recognition

Recognized as a PVEL 'TOP Performer' for 10 years, demonstrating exceptional reliability in the industry



Berlin, Germany

EU Headquarters