# Astronergy ASTRO N7s 2.0 CHSM48RN(DG)(BF)/F-BH 455 W

Astronergy · Modules photovoltaïques · SKU CHSM48RN-DG-BF-F-BH-455

TOPCon module 455 W, bifacial, black frame. Pallet: 36 pcs, 40'HC container: 936 pcs.

| Parameter | Value |
|---|---|
| Power | 455 W |
| Technology | TOPCon |
| Frame colour | black |
| Efficiency | 22.8 % |
| Dimensions | 1762×1134×30 mm |
| Cells | 96 (6x16) half-cut cells |
| Bifacial | yes |
| Voc | 36.58 V |
| Isc | 15.78 A |
| Weight | 24.5 kg |
| Dimensions (m) | 1.762 × 1.134 × 0.03 |
| Units per pallet | 36 |
| Pallets per 40'HC | 26 |

## Warranty

25-year product warranty, 30-year linear performance warranty — per the manufacturer datasheet.

Based on Astronergy manufacturer documentation. Full certificates: https://www.astronergy.com