



Astronergy CHSM72M-HC-450 Datasheet

Manufacturer

- **Brand: Astronergy Model: CHSM72M-HC-450**
- **Module Type: Monocrystalline Half-Cell PERC**
- **Cell Configuration: 144 cells (72-cell equivalent)**

Electrical Characteristics (STC)

Parameter	Value
Maximum Power (Pmax)	450 W
Open Circuit Voltage (Voc)	49.05 V
Short Circuit Current (Isc)	11.37 A
Voltage at Maximum Power (Vmpp)	41.32 V
Current at Maximum Power (Impp)	10.89 A
Module Efficiency	20.7%
Power Tolerance	0 ~ +5 W
Maximum System Voltage	1500 V DC
Maximum Series Fuse Rating	20 A

Mechanical Specifications

Specification	Value
Dimensions (L × W × H)	2094 × 1038 × 35 mm
Weight	23.5 kg
Front Glass	3.2 mm tempered glass

Specification	Value
Frame	Anodized aluminium
Junction Box	IP68 rated
Connector	MC4 compatible
Cable Size	4 mm²
Cable Length	±1300 mm

Warranty

- **Product Warranty: 12 Years**
- **Guaranteed output after 25 years: approximately 84.8% of the original rated power**