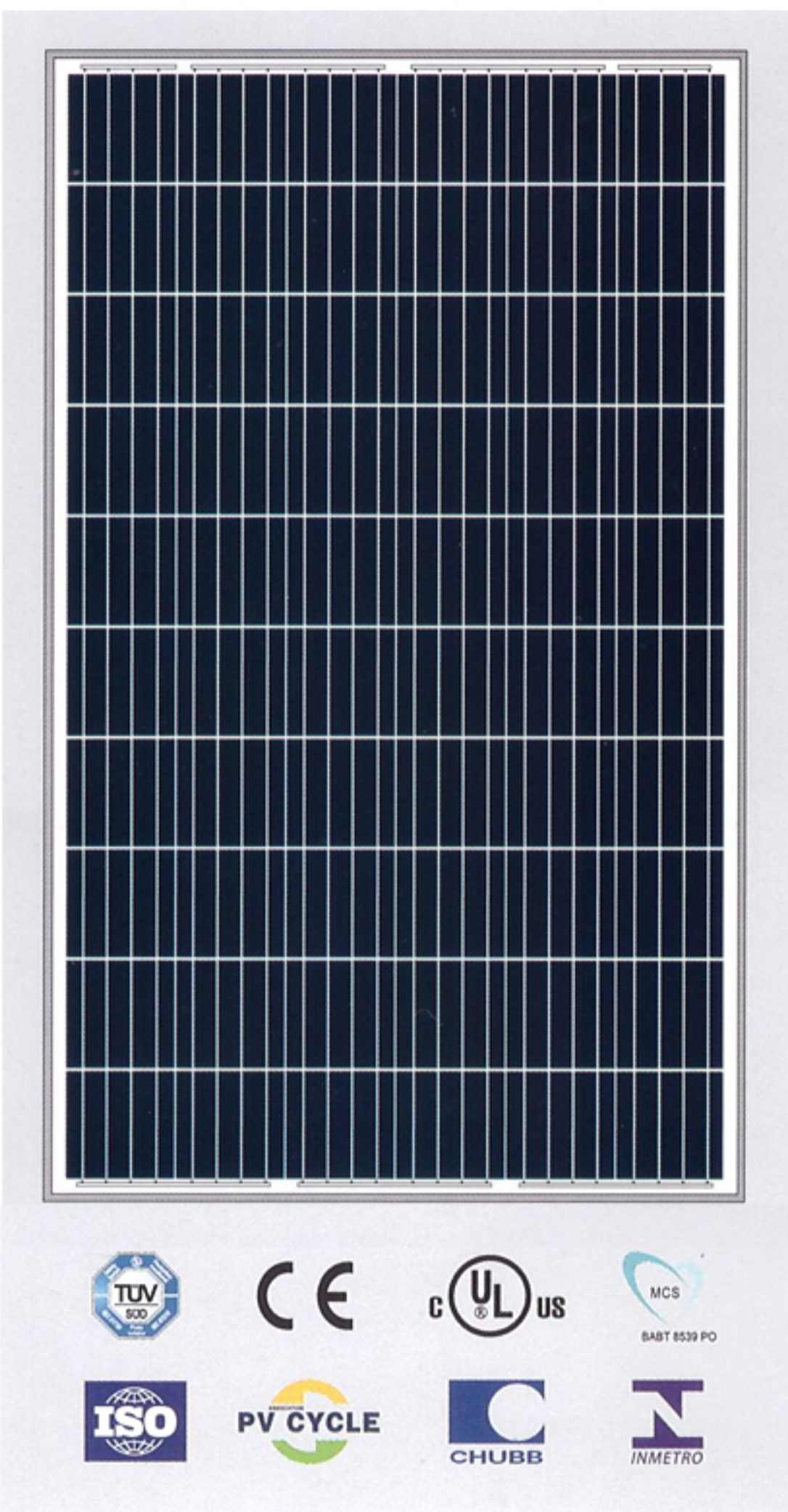


ENV280P-60

Polycrystalline 60 Cells 260W-280W



Key Features

- Polycrystalline modules designed for commercial and solar farm grid-tied applications
- High output, highest conversion efficiency
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TÜV NORD

Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation (PID) Resistant

Mechanical Parameters

Cell (mm)	Poly 156x156
Weight (kg)	18.2 (approx)
Dimensions (LxWxH) (mm)	1640x991x40
Cable Cross Section Size (mm ²)	4
No. of Cells and Connections	60 (6x10)
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible
Packaging Configuration	26 Per Pallet

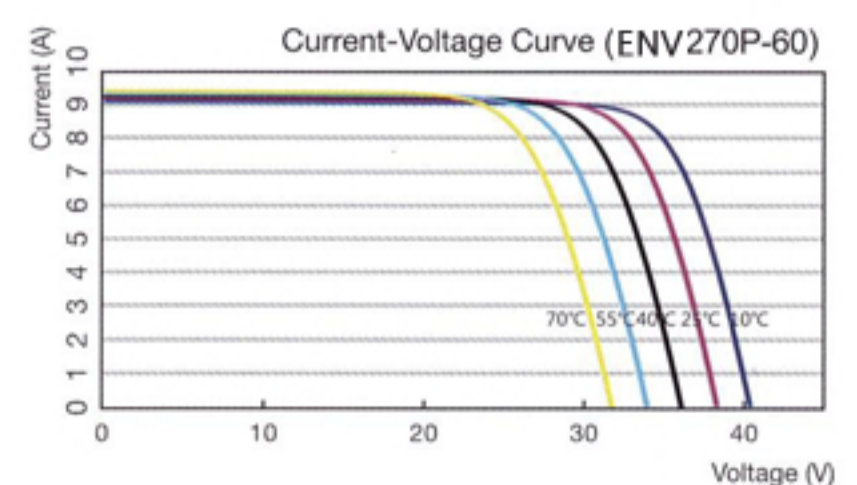
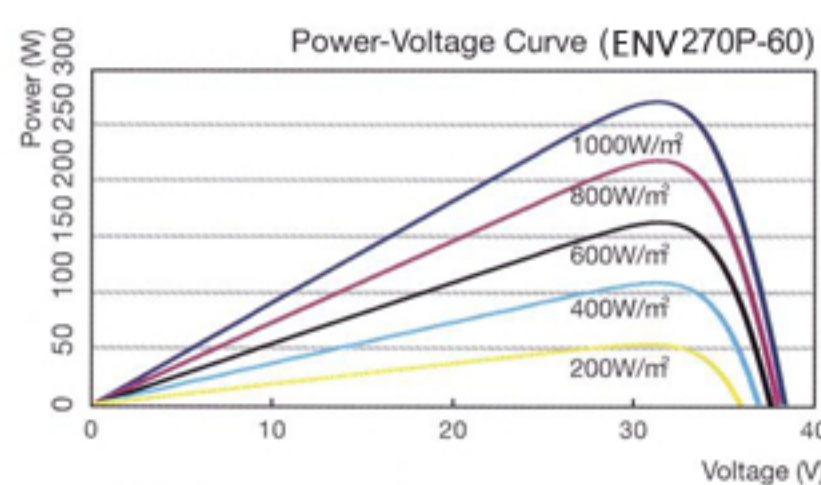
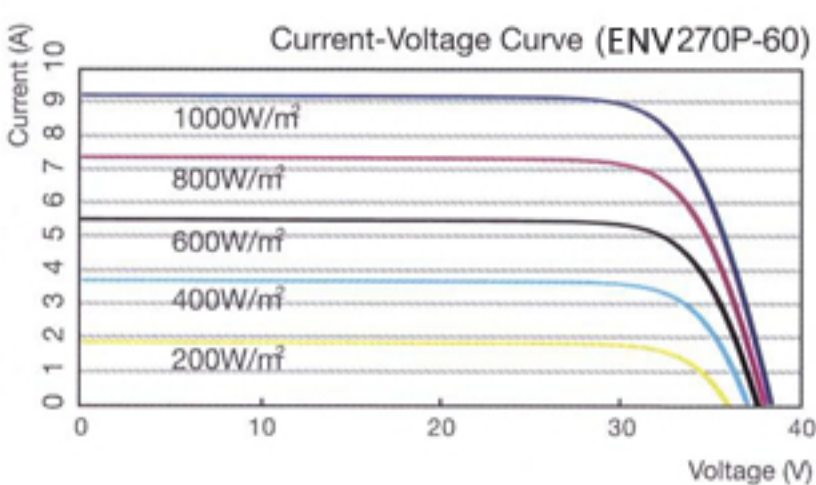
Working Conditions

Maximum System Voltage	DC 1000V (IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	15A
Maximum Static Load, Front (e.g., snow and wind)	5400Pa (112 lb/ft ²)
Maximum Static Load, Back (e.g., wind)	2400Pa (50 lb/ft ²)
NOCT	45±2°C
Application Class	Class A

Electrical Parameters

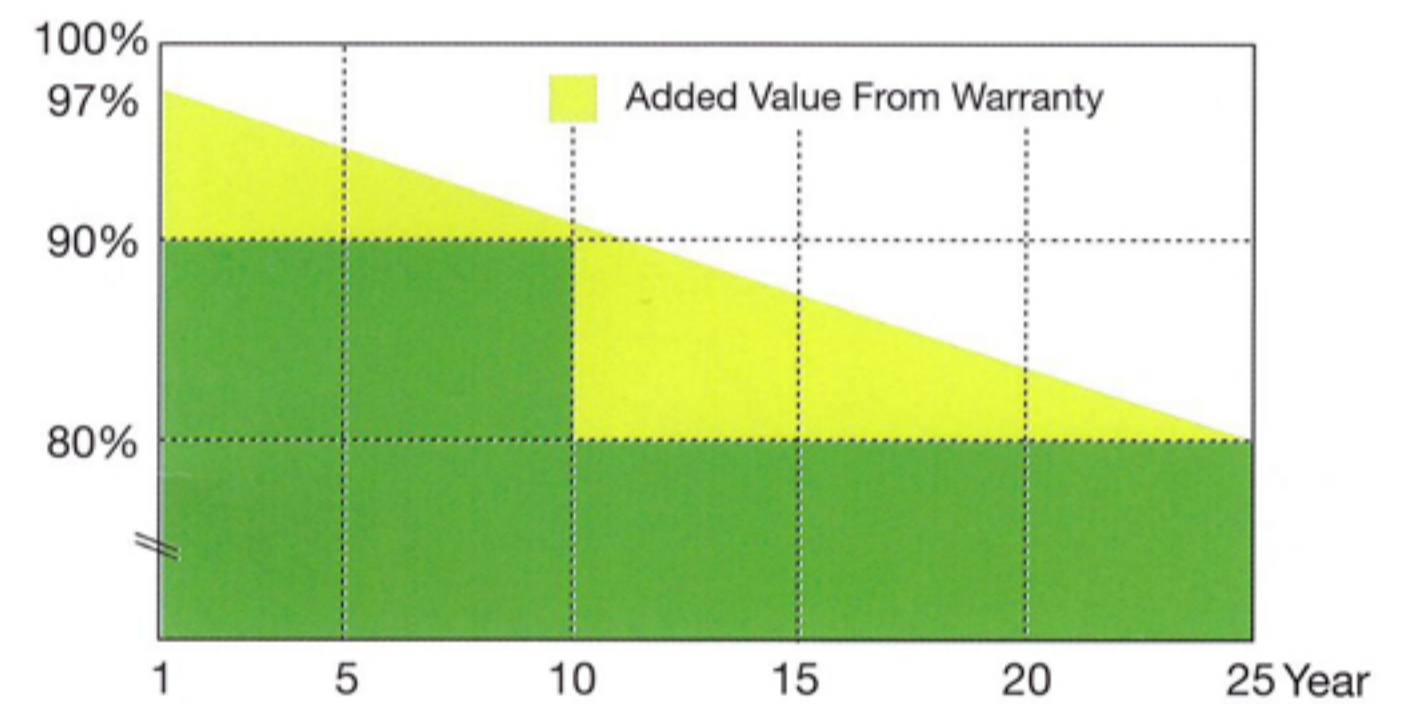
Module	ENV260P-60	ENV265P-60	ENV270P-60	ENV275P-60	ENV280P-60
Rated Maximum Power at STC (W)	260	265	270	275	280
Open Circuit Voltage (Voc/V)	37.98	38.14	38.30	38.46	38.85
Maximum Power Voltage (Vmp/V)	30.55	30.89	31.21	31.54	31.88
Short Circuit Current (Isc/A)	9.04	9.10	9.16	9.22	9.33
Maximum Power Current (Imp/A)	8.51	8.58	8.65	8.72	8.78
Module Efficiency [%]	15.90	16.21	16.51	16.82	17.12
Power Tolerance (W)			-0~+5W		
Temperature Coefficient of Isc (αIsc)			+0.059%/°C		
Temperature Coefficient of Voc (βVoc)			-0.330%/°C		
Temperature Coefficient of Pmax (γPmp)			-0.410%/°C		
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass 1.5				

I-V Curve



Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



Engineering Drawings

