

BIPV PERC MONOCRYSTALLINE • 36PM - 54PM



High Conversion Efficiency

High panel efficiency to guarantee high power output



Self-Cleaning And Anti-Reflection Glass

Coating glass for self-cleaning reduces surface dust



Outstanding Low Irradiation Glass

Outstanding panel performance even in weak light conditions



Excellent Durability

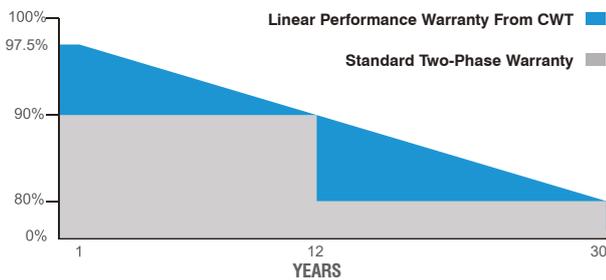
Wind load up to 2400 Pa, Snow load up to 5400 Pa



0~+5Wp Positive Power Tolerance



Easy Installation



30 Year Performance Warranty



12 Years Product Warranty

CWT280-54PM 280 Wp

CWT190-36PM 190 Wp

30
YEARS
PERFORMANCE
WARRANTY



SOMPO SIGORTA



ELECTRICAL CHARACTERISTICS

Model Type	CWT190 36PM	CWT280 54PM
Peak Power (Pmax)	190 Wp	280 Wp
Maximum Power Voltage (Vmp)	20.74	31.05
Maximum Power Current (Imp)	9.21	9.30
Open Circuit Voltage (Voc)	24.45	36.50
Short Circuit Current (Isc)	9.71	9.80
Power Tolerance	0~+5W	
Maximum System Voltage	1000V DC / 1500V DC	
Operating Temperature	-40 ~ +85°C	
Protection Class	Class II	
Maximum Series Fuse Rating	15A / 20A	

MECHANICAL SPECIFICATIONS

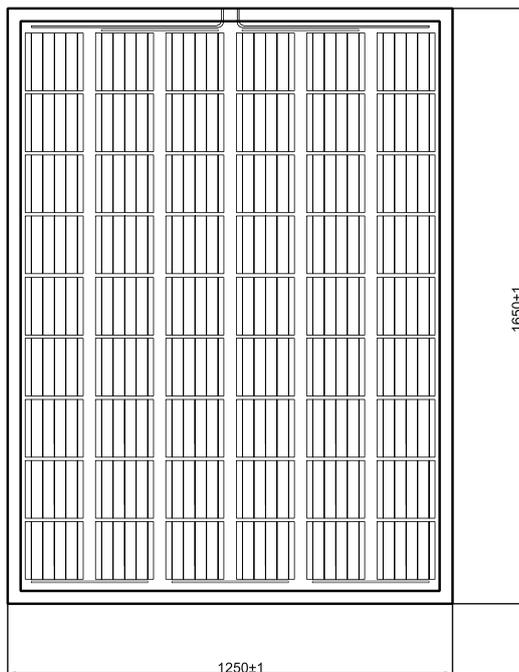
Cell Dimensions(mm)	158.75 x 158.75	
Cells per Module(adet)	54 (6x9)	36 (4x9)
Weight(pcs)	68 (54PM)	60 (36PM)
Panel Dimensions(mm) (54PM)	1205x1625x70	
Panel Dimensions(mm) (36PM)	1103x1625x70	
Max. Wind/Snow Load(Pa)	2400/5400	
Junction Box	IP67 / IP68	

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of (Isc)	0.048%/°C
Temp. Coeff. of (Voc)	-0.28%/°C
Temp. Coeff. of (Pmax)	-0.37%/°C

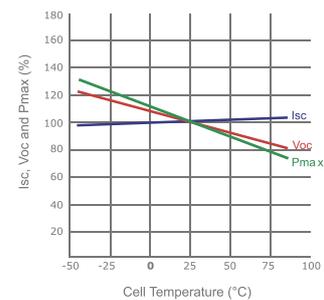
PHYSICAL CHARACTERISTICS

Unit: mm

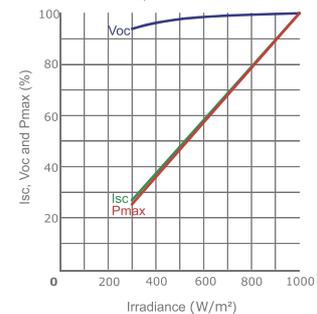


ELECTRICAL CHARACTERISTICS

Temperature Dependence of Isc, Voc and Pmax



Irradiance Dependence of Isc, Voc and Pmax



*Note: The specifications are obtained under the standard test conditions: 1000W/m2 solar irradiance, 1.5 air mass and cell temperature of 25°C. Measurement uncertainty for all panels is 3%. The actual values will be subject to the contracts. These parameters are for reference only not a part of the contracts. The specifications are subject to change without prior notice.