

# PN54-156P-190w



## Temperature and coefficients

NOCT	45±3°C
Pmax temperature coefficient	-0.47%/°C
Voc temperature coefficient	-0.38%/°C
Isc temperature coefficient	-0.04%/°C
NOCT:Nominal Operation Cell Temperature	

## Characteristics

Model	PN54-156P-190w	PN54-156P-200w	PN60-156P-210w	PN60-156P-220w
Optimum operating voltage(Vmp)	26.22	26.26	28.52	28.92
Optimum operating current(Imp)	7.25	7.63	7.37	7.61
Open circuit voltage(Voc)	33.2	33.6	36.49	36.83
Short circuit current(Isc)	7.84	8.11	7.97	8.14
Maximum power at STC(Pm)	190w	200w	210w	220w

The Electrical Characteristics are within ±3 Percent of the Indicated Values of Isc,Voc,and Pmax under Standard Test Conditions(Irradiance of 1000W/M<sup>2</sup>,AM 1.5 Spectrum and Cell Temperature of 25 °C)

## Specifications

Cell	Poly Crystalline silicon 156*156	Poly Crystalline silicon 156*156	Poly Crystalline silicon 156*156	Poly Crystalline silicon 156*156
No.of cells and connections	54	54	60	60
Dimension of module(mm)	1480*992*35*30	1480*992*35*30	1640*992*35*35	1640*992*35*35

## Limits

Operating temperature	-40°C~ + 85°C
Maximum system voltage	1000V DC