

Electrical Characteristics

Model	YS-280M-60
Solar Cell	Mono crystalline cell
Max-Power Pm(W)	280W
Max-Power Voltage Vmp(V)	32.1V
Max-Power Current Imp(A)	8.73A
Open-Circuit Voltage Voc(V)	39.2V
Short-Circuit Current Isc(A)	9.45A
Solar Module Efficiency	17.20%
Dimension(mm)	1640*880*35
Weight(kg)	18.5kg
Max static load	5400Pa

STC:Irrandiance 1000W/m²,Cell temperature 25℃ , AM=1.5

Mechanical Characteristics

Tolerance	0~3%
No.of cells	48
Backsheet Type	TPT
Junction box	IP67 Rated
Glass type	Low Iron,tempered glass,3.2mm thickness
Encapsulation	Ethylene Vinyl Acetate
Frame	Anodized Aluminium Alloy
No.of bypass diode	3

Operating Conditions

Operating Temperature	-40~+85℃
Storage Temperature	-40~+85℃
Maximum system voltage	DC1000V(TV)/600V(UL)

Temperature and Coefficients

NOCT	47℃ ±2
Temperature coefficient of Voc(%/K)	-2,23
Temperature coefficient of Isc(%/K)	0.065
Power temperature coefficient(%/K)	-0.5

Quality and Warranty

10years warranty for total workmanship and material
 15years warranty for 90% rated power output
 25years warranty for 80% rated power output

