



SOLAR MODULES

YI-20M

Specifications

Cell Type	Mono-Silicon solar Cells
Cell Size	125mm×31.25mm
No. of cells and connections	36
Dimension of module(mm)	353*423×20mm
Weight	2.5Kg

Electrical Characteristics

Model	YI-20M
Maximum power at STC(P _m)	20W
Open-circuit voltage(V _{oc})	23.02V
Short-circuit current(I _{sc})	1.20A
Voltage at P _{max} (V _{mp})	18.17V
Current at P _{max} (I _{mp})	1.10A
Application	DC 12V system

(STC:Irradiance AM1.5, 1000W/m², 25℃)

Limits

Fuse rating	10A
Maximum system voltage	715VDC
Operating temperature	-40~+85℃

Temperature and Coefficients

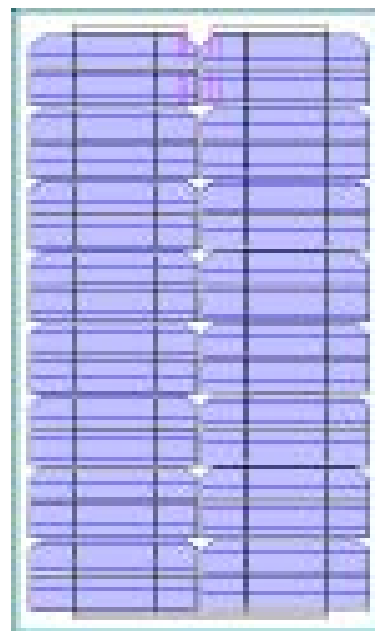
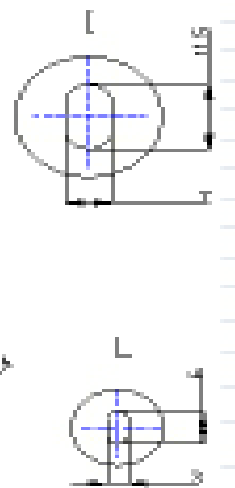
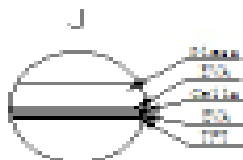
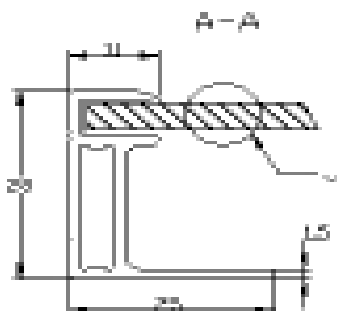
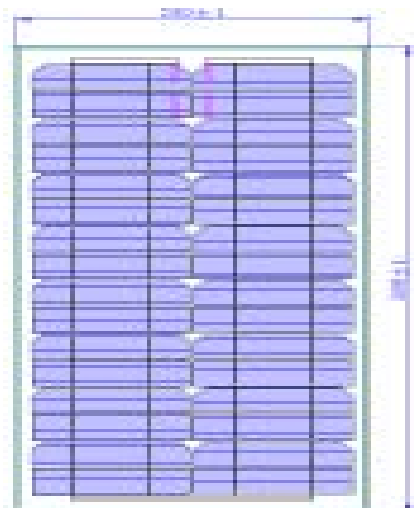
NOCT	45℃±2℃
Temp coefficient of V _{oc}	-0.30%/℃
Temp coefficient of I _{sc}	0.037%/℃
Temp coefficient of power	-0.45%/℃

NOCT:Nominal Operation Cell Temperature

Output

Type of output terminal	Junction box IP65

Mechanical Characteristics



Characteristics Curve

