CL-SM20P

High Efficiency, High Quality PV Module
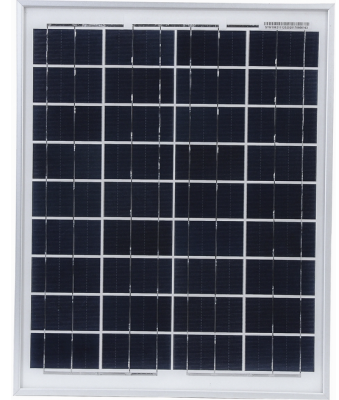
Electrical Characteristics	CL-SM20P
Maximum power (Pmax)	20W
Voltage at Pmax (Vmp)	18.2V
Current at Pmax (Imp)	1.12A
Open-circuit voltage (Voc)	22.6V
Short-circuit current (Isc)	1.18A
Temperature coefficient of Voc	-(0.40 ± 0.05)%/ °C
Temperature coefficient of Isc	(0.065 ±0.01)% /°C
Temperature coefficient of power	-(0.5±0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	600V DC
Power tolerance	+ 3%
Cells	multicrystalline silicon solar cell
No. of cells and connections	36(2X18)
Module Dimension	435mm[17.13in.]x356mm[14.02in.]x25mm[0.98in.]
Weight	2.1kg[4.62lbs]

* STC:Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C
* Specifications are subject to change without notice at any time.

Key Features:

- High module efficiency and stable power output
- Based on leading process technology
- Outstanding electrical performance under high temperature conditions or low irradiance conditions
- Easy of installation and all-weather applications
- 5 years product warranty(materials and workmanship)
- 20 years module power output warranty
- Peak power of single module is guaranteed in +3% power tolerance
- Strong framed module,passing loaded test of 5400 Pa (IEC61215 2nd)
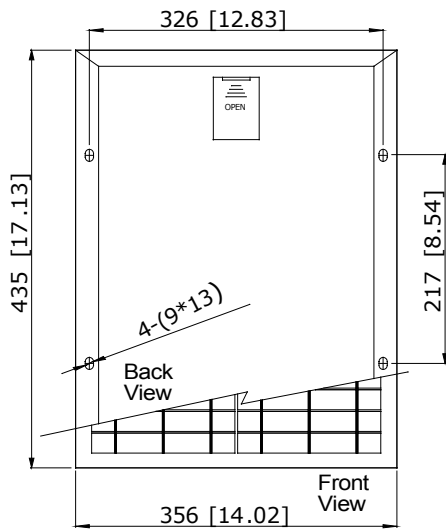- *The manufacture is certified for ISO 9001:2008*

Product's Guarantee

- 15 years module power output no less 90%
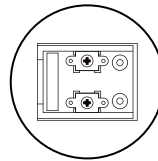- 20 years module power output no less 80%

Applications

- Off grid residential roof-tops
- Off grid commercial/industrial roof-tops
- Rural area applications
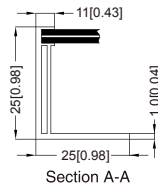- Solar power system
- Other off-grid applications

Module Diagram

Dimensions in brackets are in inches.
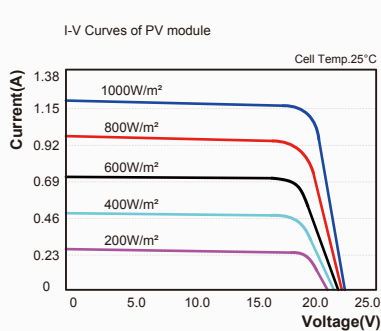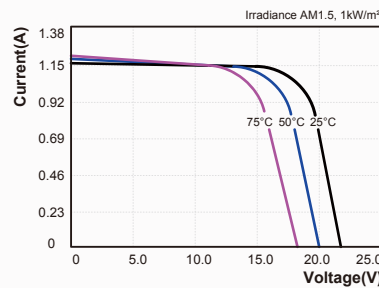Un-bracketed dimensions are in millimeters.
Unit:mm[in.]

326 [12.83]
435 [17.13]
217 [8.54]
4-(9*13)
Back View
Front View
356 [14.02]

Junction Box
Top View (Lid open)

11[0.43]
25[0.98]
1.0[0.04]
25[0.98]
Section A-A

I-V Curves

I-V Curves of PV module
Cell Temp.25°C
1000W/m²
800W/m²
600W/m²
400W/m²
200W/m²
Current(A)
Voltage(V)

I-V Curves of PV module CL-SM20P at various cell temperatures
Irradiance AM1.5, 1kW/m²
75°C 50°C 25°C
Current(A)
Voltage(V)

cellevia POWER

CELLEVIA POWER

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Cellevia *manufacturer:*

Other Similar products are found below :

CLW-0909-W2E-EB-L CLD-3612-T2 CLD-8012-T3 AC/DC-CL-DT12/3 CLD-9012-T2-E25 CLW-1505-W2E CLD-9012-T2-EA CLW-1809-W2E-ER25 CLW-1309-W2E-EB25 CLD-3612-T2-E25 CLW-3612-W2E-EB25 CLW-1212-W2E-EB-L CLW-1212-W2E-EB25 CLD-6012-INT-EB25 CLW-1505-W2E-EB-L CLD-2412-T2-E25 CLW-0909-W2E-EB25 CL8.4VDC-1.2A CLD-2412-INT-EB25 CLD-4012-T2-E25 CLW-1505-W2E-ER-USB CLD-10012-T2-E CLD-1212-INT-EB25 CLW-1005-W2E-EB25 CLW-2005-W2E-EB-L CLW-0612-W2E-EB-L CLW-2424-W2E-ER-P CL12.6VDC-1.5A CLW-1309-W2E-EB-L CLW-1812-W2E-ER CLD-3612-INT-EB25 CLW-3624-W2E-EB CL-R6/2X5-1500B CLW-1505-W2E-EB25 CLW-1505-W2E-ER25 CL-R6/2X4-1500B CL-R6/5S1P-1500B CLD-7012-T2-E25 CLW-1005-W2E-EB-L CLD-6524-T3-ER25 CLD-10012-T2-E25 CL-R6/2X6-1500P CLW-1812-W2E-ER-WH CLW-0909-W2E-EB CLW-3612-W2E-EB-L CLW-1512-W2E-ER-WH CLW-1809-W2E-ER-CN CLW-2424-W2E-EB-L CLD-3612-T2-2555L CL12.6VDC-4.76A