

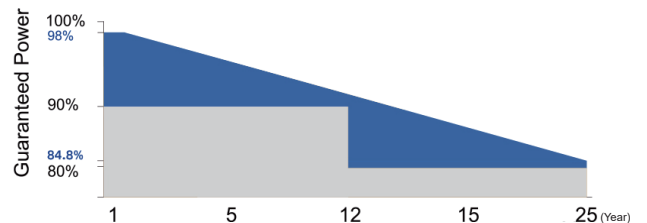


410W 31.3V MONO Solar Panel

10BB Half-CELL Monocrystalline
PERC PV Module



- ▶ IP65 waterproof
- ▶ Durable aluminum frame
- ▶ Over 20 years lifespan
- ▶ Built-in diode to prevent reverse current
- ▶ High bearing capacity with tempered glass



IEC61215
IEC61730
UL61215
UL61730



Tel: (US) 1-866-939-8222 Tel: (UK) +44 20 7570 0328

Email: customer.service@eco-worthy.com

ECO-WORTHY reserves the right to change the contents of this manual without notice.

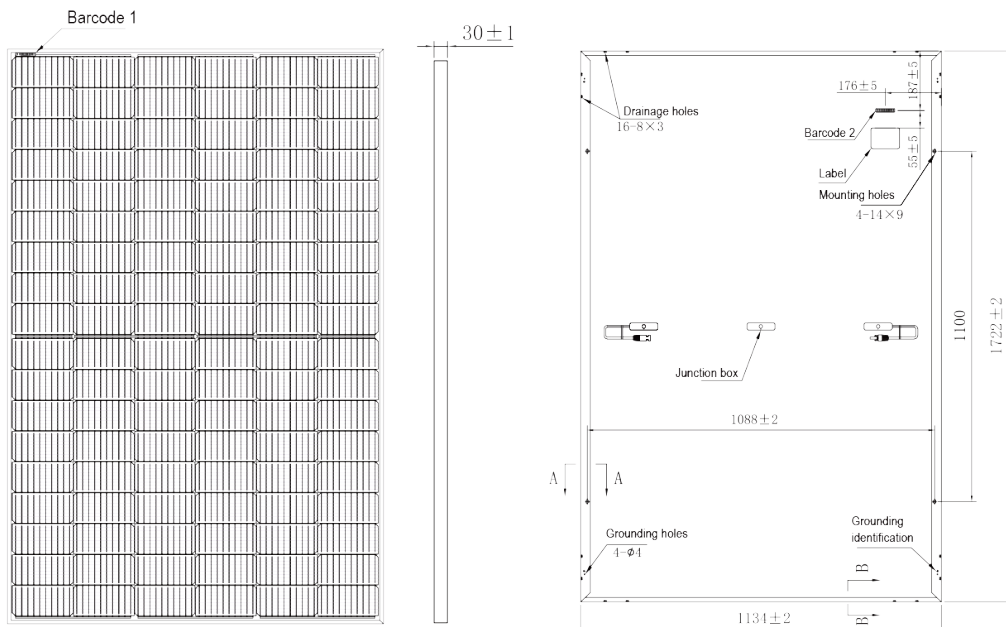
410W 31.3V

Mono Solar Panel



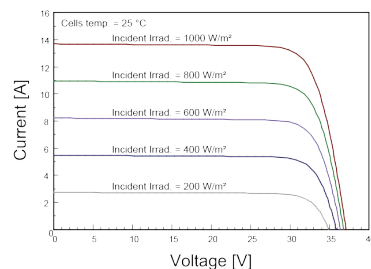
ECO-WORTHY

Module Diagram:

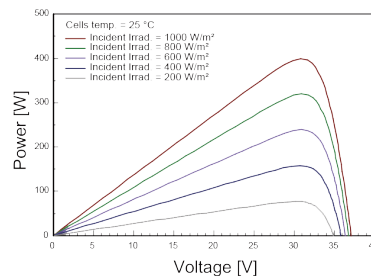


I-V Curves:

I-V Curves of PV Module(400W)



P-V Curves of PV Module(400W)



Mechanical Parameters

Cell Type	Mono PERC
No. of cells	108(6*18)
Front Glass	3.2mm,High Transmission, AR Coated Tempered Glass
Frame	Aluminum Alloy
Junction Box	IP68
Numbe of Diodes	3
Protection Class	Class II
Fire Rating	Class C
Connector Type	MC4
Output Cable	4mm ² , 1200mm (with Connectors)
Dimension	1724*1134*33mm/67.9*44.3*1.18in
Weight	20.5±1.kg

Electrical Characteristics

Module Type	ECOM410W
Maximum Power - Pmax [Wp]	410
Maximum Power Voltage - Vmp [V]	31.3
Maximum Power Current - Imp [A]	13.1
Open Circuit Voltage - Voc [V]	37.5
Short Circuit Current - Isc [A]	13.84
Module Efficiency STC [%]	21
Power Tolerance	0 ~ + 3%
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	0.05%/°C
Testing Condition(STC)	Solar Irradiance 1000W/m ² , Battery Temperature 25 °C, Air Mass 1.5

Operating Parameters

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500Vdc
Maximum Series Fuse Rating	25A
Warranty	12 Years

Packing Manner

Container	40' HQ
Pieces per Pallet	36
Pallets per Container	26
Pieces per Container	936