



Moon Series

Backsheet Monocrystalline Solar Module

YC370~385M-120M10

PERC+ / Multi-busbar / Half-cut

Non-destructive cutting

PID resistance

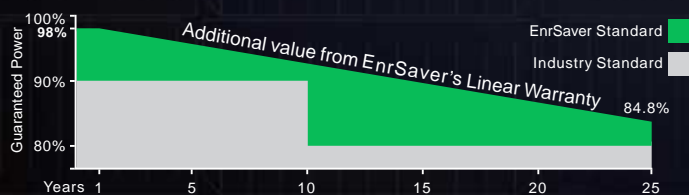
Lower BOS cost & LCOE

Reduced hot Spot Loss

Low-Light Performance

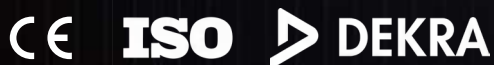


LINEAR PERFORMANCE WARRANTY



12-year Product Warranty

25-year Linear Power Warranty



Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	370	375	380	385
Rated voltage (Vmpp / V)	33.9	34.28	34.51	34.74
Rated current (Impp / A)	10.89	10.94	11.01	11.07
Open circuit voltage (Voc / V)	40.75	41.05	41.34	41.62
Short circuit current (Isc / A)	11.35	11.42	11.49	11.55
Module efficiency	20.3%	20.6%	20.9%	21.1%

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Rated output (Pmpp / Wp)	275.9	279.6	283.4	287.1
Rated voltage (Vmpp / V)	31.68	31.96	32.18	32.43
Rated current (Impp / A)	8.71	8.75	8.81	8.85
Open circuit voltage (Voc / V)	38.31	38.59	38.87	39.13
Short circuit current (Isc / A)	9.13	9.19	9.24	9.29

Temperature Ratings (STC)

Temperature coefficient (Pmpp)	-0.35%/°C	No. of diodes	3
Temperature coefficient (Isc)	+0.045%/°C	Junction box IP rating	IP 68
Temperature coefficient (Voc)	-0.27%/°C	Max. series fuse rating	20A
Nominal module operating temperature (NMOT)	41±2°C	Max. system voltage (IEC/UL)	1500V _{DC}

Operating Parameters

370~385W

POWER RANGE

0~+5W

POWER TOLERANCE

21.1%

MAX MODULE EFFICIENCY

≤ 2.0%

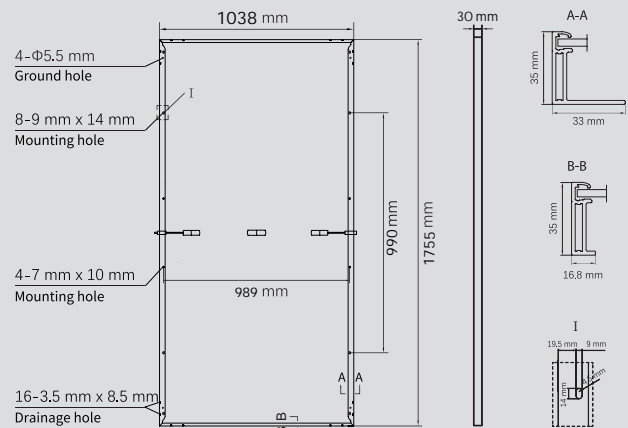
FIRST YEAR POWER DEGRADATION

≤ 0.55%

YEAR 2-25 POWER DEGRADATION

Mechanical Specifications

Outer dimensions (L x W x H)	1755X1038X30 mm
Cell Type	P type Mono-crystalline
No. of cells	120(6*20)
Frame technology	Aluminum, silver anodized
Front glass thickness	3.2 mm
Cable length (IEC/UL)	Portrait: 300 mm; Landscape: 1400 mm
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	HCB40 / MC4-EVO2 (optional)
Module weight	19.1 kg
Packing unit	31 pcs / box (Subject to sales contract)
Weight of packing unit (for 40' HQ container)	717 kg
Modules per 40' HQ container	936 pcs



Curve

