

ENSP54M2390BF ENSP54M2395BF ENSP54M2400BF

ENSP54M2405BF ENSP54M2410BF ENSP54M2415BF



Built using Mono-crystalline PERC technology, the Energizer® Solar Panels range combine two of the best technologies in the market.



Lower Power Loss

Better performance in shaded and low-light conditions.



Higher efficiency

Higher module power efficiency up to 20.6%.



Lower operating temperatures

Low operating temperatures and coefficients increases performance.



Half Cell technology

Excellent performance under real conditions.



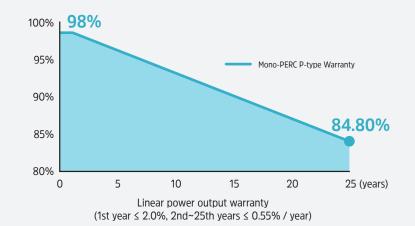
Keeps going and going

Engineered and designed to withstand harsh environments.



hello@energizersolar.com energizersolar.com







Electrical Specifications

STC: Irradiance 1000W/m ² , Cell Temperature 25°C, AM=1.5						
Rated output (Pmpp / Wp)	390	395	400	405	410	415
Rated voltage (Vmpp / V)	30.76	30.92	31.09	31.26	31.43	31.60
Rated current (Impp / A)	12.68	12.77	12.86	12.96	13.05	13.13
Open circuit voltage (Voc / V)	36.60	36.80	37.00	37.20	37.40	37.60
Short circuit voltage (Isc / A)	13.40	13.52	13.65	13.76	13.99	13.99
Module efficiency	20.0%	20.2%	20.5%	20.7%	21.0%	21.3%
NMOT: Irradiance 800W/m ² , Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s						
Rated output (Pmpp / Wp)	291.5	295.2	298.9	302.7	306.4	310.1
Rated voltage (Vmpp / V)	28.66	28.82	28.98	29.13	29.29	29.45
Rated current (Impp / A)	10.17	10.24	10.32	10.39	10.49	10.53
Open circuit voltage (Voc / V)	34.59	34.78	34.97	35.15	35.34	35.53
Short circuit current (Isc / A)	10.87	10.97	11.07	11.17	11.26	11.35

Tempertaure Rating (STC)

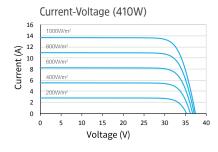
Power Sorting: +/-5W Measurement tolerance +/-3%

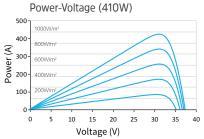
Temperature coefficient (Pmpp)	-0.35% / °C
Temperature coefficient (Isc)	-0.045% / °C
Temperature coefficient (Voc)	-0.27% / °C
Nominal module operating	41±2°C

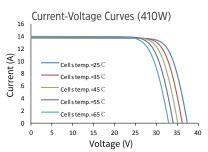
Operating Parameters

No. of diodes	3
Junction box IP rating	IP68
Max. series fuse rating	25A
Max. system voltage (IEC/UL)	1500V _{DC}

Curve







Other Specifications

Outer dimensions (L x W x H)	1722 x 1134 x 30mm
Cell type	P type Mono-crystalline
No. of cells	108
Frame technology	Aluminium (silver or black)
Front glass thickness	3.2mm
Cable length (IEC/UL)	Portrait: 300mm; Landscape: 1200mm
Cable diameter (IEC/UL)	4mm ² / 12 AWG
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	PV-HCB40 (Astronergy) or PV-KST4-EV02/ xy-UR, PVKBT4-EV02/xy (Stäubli)
Module weight	21.6kg
Packing unit	36 pcs / box
Weight of packing unit (40ft container)	821kg
Modules per 40ft container	936 pcs
Fire Class Rating	Class C
Country of Manufacturer	China

