



# MUTIAN NEW ENERGY

Monocrystalline PV module

## UNE-M60W

300-315W



TUV certification



Higher module's output power



Certified to withstand dynamic mechanical load 1000 Pascal



Advanced surface treatment, less surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency



17.1% Module Efficiency



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs



HT-SAAE guarantees highest production standards: IEC 61215, IEC 61730, IEC 62716 (Ammonia corrosion) & IEC 61701 (Salt Mist Corrosion)



PID resistant



Microcrack resistant Triple EL tested of high quality control.



Strict quality control, meeting the highest international standards: ISO 9001, ISO14001



Positive tolerance 0/+5w guaranteed



Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.



Products Warrant



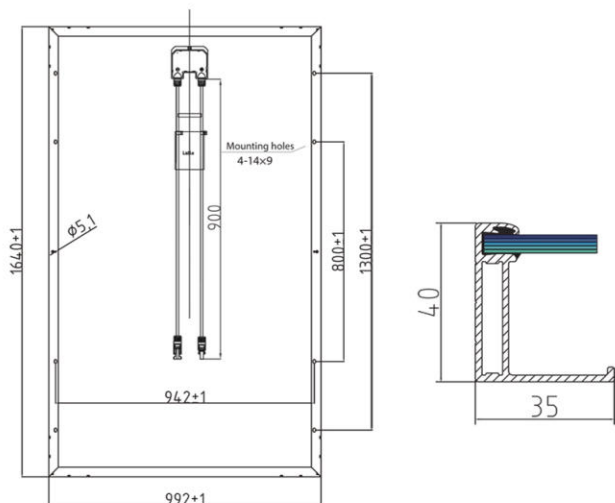
Warranty on power output

# UNE-M60W

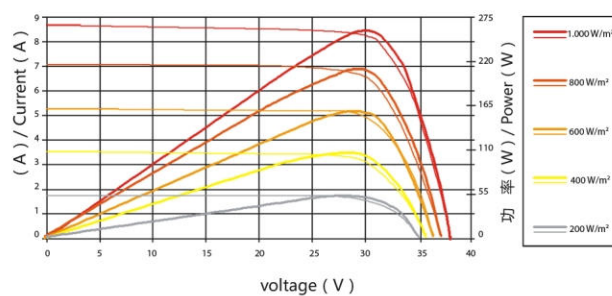
## 300-315W

PRODUCTS	UNE-M60W-300	UNE-M60W-305	UNE-M60W-310	UNE-M60W-315
ELECTRICAL DATA				
Peak Power Watts-PMAX(Wp)	300	305	310	315
Power Output Tolerance-PMAX (%)	0~+5			
Maximum Power Voltage-VMPP(V)	32.6	32.8	33.0	33.2
Maximum Power Current-IMPP(A)	9.21	9.30	9.40	9.49
Open Circuit Voltage -VOC (V)	40.1	40.3	40.5	40.7
Short Circuit Voltage -ISC (A)	9.72	9.83	9.92	10.04
Module Efficiency $\eta$ m(%)	18.33	18.63	18.94	19.24
MECHANICAL DATA				
Solar Cells	Mono 156 × 156 mm			
Cell Orientation	60(6 × 10)			
Module Dimesion	1640 × 992 × 40 mm			
Weight	19.5kg			
Glass	3.2mm, High Transmission, AR Coated Tempered Glass			
Frame	Anodized Aluminium Alloy			
Junction Box	IP68			
Cables / Conenectors	4mm <sup>²</sup> 900m MC4-compatible			
Number of Diodes	3			
TEMPERATURE RATINGS				
NOCT(Nominal Operating Tempreture)	45℃ ( ± 2℃ )			
Tempreature Coefficient of PMAX	-0.42%/℃			
Tempreature Coefficient of VOC	-0.29%/℃			
Tempreature Coefficient of ISC	0.04%/℃			
MAXIMUM RATINGS				
Maximum System Voltage	-40~+85℃			
Operational Tempreture	1000VDC(IEC)			
Max Series Fuse Rating	15A Power ≤285W, 20A Power ≥290W			
Maximum load(snow/wind)	5400Pa / 2400Pa			
WARRANTY				
10 year workmanship warranty				
10 year power warranty	10 year at 90% power output			
25 year power warranty	25years at 80% power output			
PACKAGING				
Modules per box	26pcs. (40mm)			
Modules per 40ft container	784pcs. (40mm)			

### THE DIMENSIONS



### EFFICIENCY CURVE





# MUTIAN NEW ENERGY

Monocrystalline PV module

## UNE-M72W

360-375W



TUV certification



Higher module's output power



Certified to withstand dynamic mechanical load 1000 Pascal



Advanced surface treatment, less surface reflection and 5BB cell design can reduce the series resistance and improve the module efficiency



17.1%  
Module Efficiency



Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs



HT-SAAE guarantees highest production standards: IEC 61215, IEC 61730, IEC 62716 (Ammonia corrosion) & IEC 61701 (Salt Mist Corrosion)



PID resistant



Microcrack resistant  
Triple EL tested of high quality control.



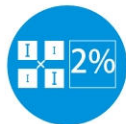
Strict quality control, meeting the highest international standards: ISO 9001, ISO 14001



Positive tolerance 0/+5w guaranteed



Entire module certified to withstand extreme wind (2400 Pa) and snow loads (5400 Pa)



All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.



Products Warrant



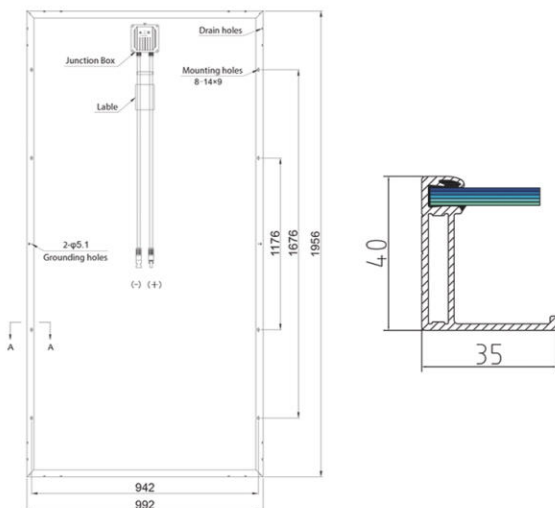
Warranty on power output

# UNE-M72W

## 360-375W

PRODUCTS	UNE-M72W-360	UNE-M72W-365	UNE-M72W-370	UNE-M72W-375
ELECTRICAL DATA				
Peak Power Watts-PMAX(Wp)	360	365	370	375
Power Output Tolerance-PMAX (%)	0~+5			
Maximum Power Voltage-VMPP(V)	39.5	39.7	39.9	40.2
Maximum Power Current-IMPP(A)	9.12	9.20	9.28	9.33
Open Circuit Voltage -VOC (V)	48.0	48.2	48.5	48.7
Short Circuit Voltage -ISC (A)	9.51	9.57	9.61	9.68
Module Efficiency ηm(%)	18.55	18.81	19.07	19.33
MECHANICAL DATA				
Solar Cells	Mono 156×156 mm			
Cell Orientation	72(6×12)			
Module Dimesion	1956×992×40 mm			
Weight	22.5kg			
Glass	3.2mm, High Transmission, AR Coated Tempered Glass			
Frame	Anodized Aluminium Alloy			
Junction Box	IP68			
Cables / Conenectors	4mm² 900m MC4-compatible			
Number of Diodes	3			
TEMPERATURE RATINGS				
NOCT(Nominal Operating Tempreture)	45℃(±2℃)			
Tempreature Coefficient of PMAX	-0.42%/℃			
Tempreature Coefficient of VOC	-0.29%/℃			
Tempreature Coefficient of ISC	0.04%/℃			
MAXIMUM RATINGS				
Maximum System Voltage	-40~+85℃			
Operational Tempreture	1000VDC(IEC)			
Max Series Fuse Rating	15A Power ≤285W, 20A Power ≥290W			
Maximum load(snow/wind)	5400Pa / 2400Pa			
WARRANTY				
10 year workmanship warranty				
10 year power warranty	10 year at 90% power output			
25 year power warranty	25years at 80% power output			
PACKAGING				
Modules per box	26pcs. (40mm)			
Modules per 40ft container	624pcs. (40mm)			

### THE DIMENSIONS



### EFFICIENCY CURVE

