

MONO MODULE **N** TYPE

625W-640W

Premium Quality *Bifacial Dual Glass*

132 CELL

MONO N-TYPE

23.69%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



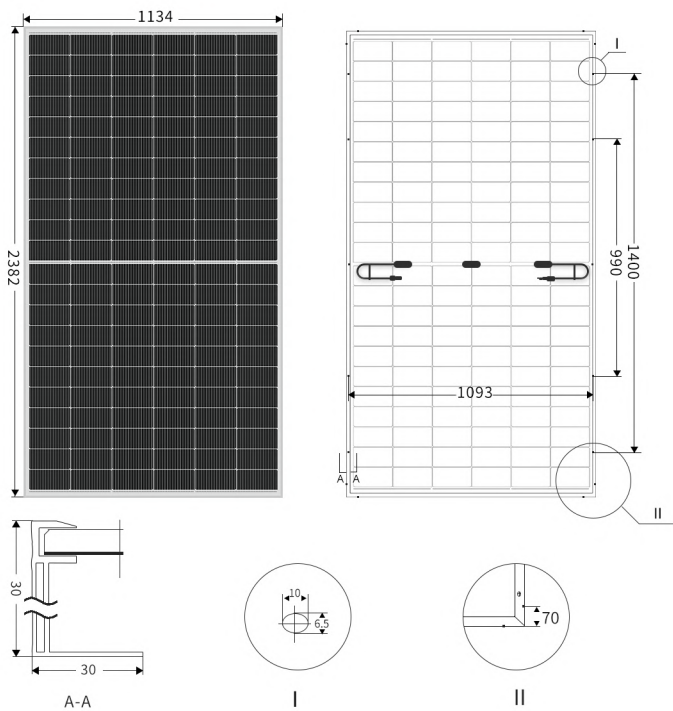
| Module Type | | PW-66M625HM10L-BD | | PW-66M630HM10L-BD | | PW-66M635HM10L-BD | | PW-66M640HM10L-BD | |
|-----------------------|--------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|
| Test Environment | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power | $P_{MAX}(W)$ | 625 | 473 | 630 | 476 | 635 | 480 | 640 | 483 |
| Maximum Power Voltage | $V_{MPP}(V)$ | 41.40 | 39.10 | 41.60 | 39.30 | 41.80 | 39.50 | 42.00 | 39.70 |
| Maximum Power Current | $I_{MPP}(A)$ | 15.11 | 12.08 | 15.16 | 12.11 | 15.20 | 12.14 | 15.25 | 12.17 |
| Open Circuit Voltage | $V_{oc}(V)$ | 48.60 | 46.00 | 48.80 | 46.20 | 49.00 | 46.40 | 49.20 | 46.60 |
| Short Circuit Current | $I_{sc}(A)$ | 16.14 | 13.02 | 16.20 | 13.06 | 16.26 | 13.10 | 16.32 | 13.14 |
| Tolerance | (W) | 0 - +5 | | 0 - +5 | | 0 - +5 | | 0 - +5 | |
| Module Efficiency | (%) | 23.14 | | 23.32 | | 23.51 | | 23.69 | |

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

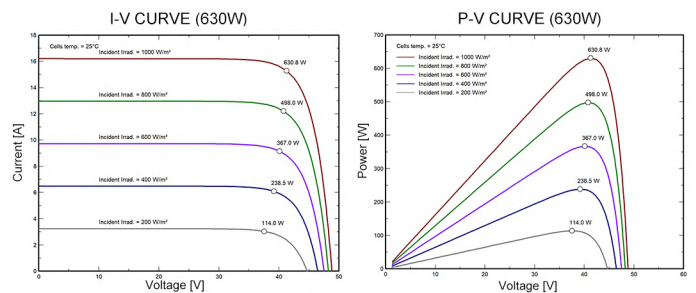
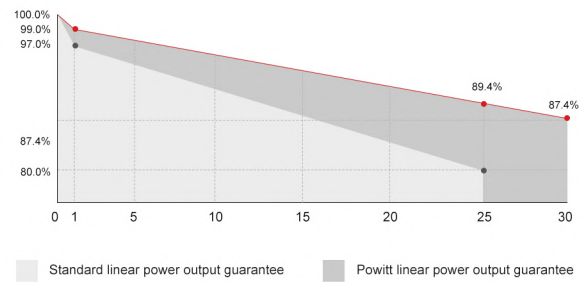
| Module Type | PW-66M625HM10L-BD | PW-66M630HM10L-BD | PW-66M635HM10L-BD | PW-66M640HM10L-BD |
|-------------|-------------------|-------------------|-------------------|-------------------|
| Pmax (W) | 687.5 | 693 | 698.5 | 704 |
| Voc (V) | 48.6 | 48.8 | 49 | 49.2 |
| Isc (A) | 17.54 | 17.60 | 17.65 | 17.71 |
| Vmp (V) | 41.4 | 41.6 | 41.8 | 42 |
| Imp (A) | 16.61 | 16.66 | 16.71 | 16.76 |

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

| | | | |
|-------------------|--|---|----------------|
| Cell Type | Mono N-TYPE | Nominal Operating Cell Temperature(NOCT) | 41±3°C |
| No. of Cells | 132 (6 x 22) | Temperature Coefficient of P _{MAX} | -0.29%/°C |
| Module Dimensions | 2382 x 1134 x 30mm | Temperature Coefficient of V _{oc} | -0.25%/°C |
| Weight | 32.5kg | Temperature Coefficient of I _{sc} | +0.05%/°C |
| Front Glass | 2.0mm | MAXIMUM RATINGS | |
| Back Glass | 2.0mm | Operational Temperature | -40°C to +85°C |
| Frame | Anodized Aluminium Alloy | Maximum System Voltage | 1500V DC |
| Junction Box | IP 68 Rated | Max Series Fuse Rating | 35A |
| Cables | 4.0mm ² , 1400mm or Customized Length | Mechanical Load | 5400pa |
| Connector | MC4 Compatible | Wind Load | 2400pa |

PACKAGING CONFIGURATION 37 pcs/Pallet, 740 pcs/40'HQ



Powitt Solar Co.,Ltd
 www.powitt.com
 info@powitt.com
 +86 519 8899 2132

All rights reserved. Specifications included in this datasheet are subject to change without notice.
 Version No. PWS202311V03