

# TOP CLASS 500-525



**WHAT WE OFFER  
YOUR BEST PV  
SUPPLIER**



**WARRANTY - 10 YEARS  
POWER OUTPUT  
90% - 10 YEARS, 80% - 25 YEARS**

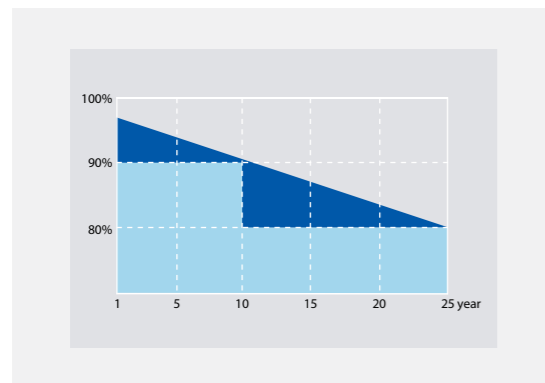
**RELIABLE  
QUALITY**



**TEMPERATURE COEFFICIENTS**

|          |               |
|----------|---------------|
| Voltage  | -0.308 % / °C |
| Current  | 0.032 % / °C  |
| Power    | -0.42 % / °C  |
| NOCT Avg | 45 °C ± 3     |

## SUPERIOR WARRANTY



## KEY FEATURES

- Monocrystalline modules designed for commercial & solar farm grid-tied applications
- High Power output & highest conversion efficiency
- Ant-reflective and anti-soiling surface reduces power loss from dirt & dust
- Outstanding performance in low-light irradiance environments

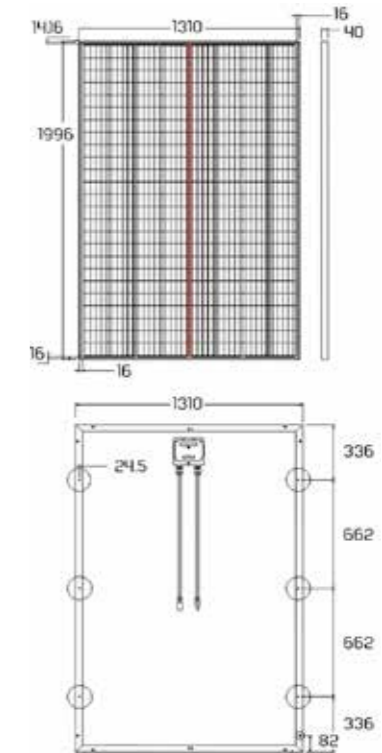
## MECHANICAL PARAMETERS

|                    |  |
|--------------------|--|
| Solar cells        | Mono crystalline cells   |
| Front cover        | Low iron tempered glass 4.0mm, AR  |
| Back cover         | White polyester  |
| Frame              | Silver anodized aluminum alloy (40mm)  |
| Output Cables      | 12 AWG(4mm <sup>2</sup> ) cables with polarized weatherproof connectors, cable length 1.25m (49.21in.) |
| Junction box       | NEMA IP67 rated; 4 internal bypass diodes  |
| Dimensions         | 1992(78.58in) * 1302(51.57in) * 36(1.57in)   |
| Approximate Weight | 36.5KG(80.47LBS)   |

## LIMITS

|  |                |
|--|----------------|
| Max. system voltage  | DC 1,000 V     |
| Operating module temperature   | -40°C TO +85°C |
| Storm resistance/ Static load  |                |
| The standard chunk of Lorem Ips  |                |
| Tested to IEC61215 for loads, up to 5400Pa (113psf), hail and wind resistant |                |

## ENGINEERING DRAWINGS



## ELECTRICAL PARAMETERS

|  | 500 W   | 510 W   | 515 W   | 520 W   | 525 W   | 530 W   |
|--|---------|---------|---------|---------|---------|---------|
| Nominal power[Wp] - P <sub>mpp</sub>           | 500     | 510     | 515     | 520     | 525     | 530     |
| Voltage at nominal power[V] - V <sub>mpp</sub> | 53.33   | 53.4    | 53.41   | 53.52   | 53.69   | 53.72   |
| Current at nominal power[A] - I <sub>mpp</sub> | 9.38    | 9.56    | 9.66    | 9.72    | 9.78    | 9.88    |
| Open-circuit voltage[V] - V <sub>oc</sub>      | 65.18   | 65.24   | 65.27   | 65.3    | 65.33   | 65.36   |
| Short-circuit current[A] - I <sub>sc</sub>     | 9.86    | 9.98    | 10.04   | 10.1    | 10.16   | 10.22   |
| Module efficiency level[%]                     | 19.28 % | 19.66 % | 19.85 % | 20.05 % | 20.24 % | 20.44 % |

Performance under standard test conditions (STC) : 1000W/m<sup>2</sup>, 25°C, AM 1.5 / Output tolerance[%] 0~+3%

## I-V CURVE

