

# 52W

## PV Square Tile

Grunsolar's PV Tile series, a revolutionary work in architectural aesthetics and photovoltaic technology! Not only as an efficient power generation component, but also leading the new trend of building rooftop PV with excellent integrity, durability, safety, and waterproof performance. PV Tile has a service life of over 25 years, significant economic benefits, and a much higher return on investment than traditional building materials. PV Tile has excellent thermal insulation performance and saves energy costs. It is easy and efficient to install greatly reducing construction costs. At the same time, it has high installed capacity and top-notch power generation efficiency, with rich and diverse colors to meet personalized needs.



Different markets have varying certification requirements—please consult your Grun solar sales representative for details. For special installation conditions, contact Grun solar's technical support team in advance.

## Electrical Performance Parameters

|                                 |                                                                                                                                                                                |  |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Model                           | 603*603*50mm (Sizes can be customized)                                                                                                                                         |  |
| Norminal Power                  | 52W (Different colors result in differences in power)                                                                                                                          |  |
| Voc                             | 58.0V                                                                                                                                                                          |  |
| Isc                             | 1.39A                                                                                                                                                                          |  |
| Vm                              | 43.2V                                                                                                                                                                          |  |
| Im                              | 1.22A                                                                                                                                                                          |  |
| Weight                          | double glass 7kg / pcs、triple glass 10kg / pcs (Different structures, sizes, and weights)                                                                                      |  |
| Thickness                       | 6.9mm、11mm                                                                                                                                                                     |  |
| Composition                     | 3.2mm Power glass + 0.5mm + 3.2mm Float glass (with Aluminum frame)<br>3.2mm Ultra clear glass + 0.76mm + 3.2mm Power glass + 0.76mm + 3.2mm Float glass (with Aluminum frame) |  |
| Product Color                   | Black, blue, red, gold, silver, green, gray, etc                                                                                                                               |  |
| Waterproofing Method            | Structural overlap waterproofing                                                                                                                                               |  |
| Power Temperature Coefficient   | -0.214% / °C                                                                                                                                                                   |  |
| Voltage Temperature Coefficient | -0.321% / °C                                                                                                                                                                   |  |
| Current Temperature Coefficient | 0.060% / °C                                                                                                                                                                    |  |

