

KDxxxGX-LPB modules may be attached to a support structure by the following methods. Detailed mounting method is described in 'mounting table'. When installing modules in snowy area, an appropriate countermeasure has to be taken to prevent possible damages to the lower side frame by slipping snow (e.g. attach supporting parts to the lowest modules.). Any damage caused by snow or such countermeasure is not covered under warranty.

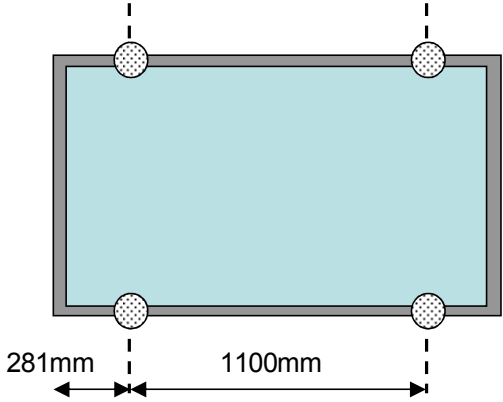

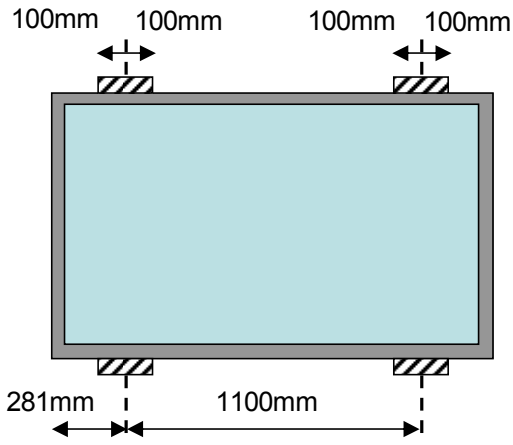
For optimal performance in all applications, clearance between the module frame and the mounting surface is required to allow cooler ambient air to circulate around the back of the module and to avoid the module and / or wiring damage.

The minimum spacing of .6" (15 mm) is required between PV module and the mounting surface around the perimeter of PV module. There should also be a clearance of at least .13" (3.2 mm) between the individual modules to allow heat-related expansion.

**BOLTING:** Utilizing 5/16" or 8 mm steel hardware structure through the existing .35" (9 mm) diameter mounting holes in the module frame and then through KDxxxGX-LPB modules mounting holes on the support structure. Tighten the screws with adequate torque (usually 132 in-lb). Support structure should have enough strength to keep the mounting span. Refer to the below table for the position of PV module mounting holes.

**CLAMPING:** Fasten modules firmly with the clamps which must not be deformed by wind load or snow load, nor cause the module fall off. Minimum 40mm clamping width, and minimum 9mm overlap onto frame are necessary. Clamps also must not shade the sunlight incidence on glass surface. Support structure should have enough strength to keep the mounting span. Refer to the below table for the permissible clamping range.

Mounting table <KD225GX-LPB - KD235GX-LPB>

|                                                                                                                                                    | Long side                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <p><b>Bolting</b></p>                                                                                                                              |  <p>A diagram showing a light blue rectangular panel with a grey border. Four circular bolt heads are positioned at the corners of the panel. Dashed vertical lines extend from each bolt head to dimension lines below. The leftmost dimension line is labeled '281mm' and the rightmost is labeled '1100mm'. A double-headed arrow spans the distance between the two inner dimension lines.</p>                                                                                                                                           |
| <p><b>Top down clamp</b></p> <p> Permissible clamping range</p> |  <p>A diagram showing a light blue rectangular panel with a grey border. Four hatched rectangular clamping blocks are positioned at the corners of the panel. Above the top two clamps, dimension lines indicate a '100mm' distance from the panel edge to the center of each clamp. Below the bottom two clamps, dimension lines indicate a '281mm' distance from the left edge to the center of the left clamp and a '1100mm' distance between the centers of the two bottom clamps. A double-headed arrow spans the 1100mm distance.</p> |