



MOUNTING GUIDE

FOR THE

KD135SX-UPU, KD135GX-LPU ~ KD215GX-LPU

SOLAR PHOTOVOLTAIC POWER MODULES

Please read this guide carefully before installing the modules.

2009.12.01

KD series modules may be attached to a support structure by the following methods. Detailed mounting method is described in 'mounting table'.

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 stainless steel hardware through the existing .35" (9 mm) diameter mounting holes in the module frame and then through module mounting holes on the support structure. Tighten the screws with adequate torque (132 in-lb).

Refer to the Module Drawings for the position of the solar module mounting holes.

CLAMPING: Fasten modules firmly with clamps using torque values specified by structure manufacturers. Top-down clamps must have a minimum 40mm clamping width, and minimum 9mm overlap onto module frame. Clamps also must not shade the sunlight incidence on glass surface. Clamp material must be either stainless steel or anodized aluminum.

<KD205GX-LPU, KD210GX-LPU, KD215GX-LPU >

Mounting table - 1

	Long Side		Short Side	
Bolting				
Top Down Clamp	<p>100mm 100mm 100mm 100mm</p> <p>278.5mm 943mm</p>	<p>100mm 100mm 100mm 100mm</p> <p>100mm 100mm 100mm 100mm</p> <p>943mm 278.5mm</p>		
	<p>100mm 200mm</p> <p>278.5mm 943mm</p> <p>⚡</p>	<p>100mm 200mm</p> <p>100mm 200mm</p> <p>943mm 278.5mm</p>	<p>150mm 150mm</p>	<p>150mm 150mm</p>
	<p>200mm 100mm</p> <p>278.5mm 943mm</p> <p>⚡</p>	<p>200mm 100mm</p> <p>200mm 100mm</p> <p>943mm 278.5mm</p>		
Continuous Clamp				
	<p>▨ : Permissible clamping range</p>			

<KD185GX-LPU>

Mounting table - 2

	Long Side		Short Side	
Bolting				
Top Down Clamp : Permissible clamping range				
Continuous Clamp : continuous clamp				

<KD135SX-UPU, KD135GX-LPU>

Mounting table - 3

	Long Side		Short Side	
<p>Bolting</p>				
<p>Top Down Clamp</p> <p> : Permissible clamping range</p>				
<p>Continuous Clamp</p> <p> : continuous clamp</p>				