

		<b>Mounting PV Modules</b>	created	JL
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## INTRODUCTION

All photovoltaic (PV) modules must be installed in accordance with the manufacturer's installation instructions. This technical bulletin summarizes the installation instructions for the REC 250, Daqo 190 and Solar Frontier 150.

### 100 MM CLEARANCE TO ROOF

The modules should be located at least 100 mm above the roof surface.

### JUNCTION BOX AT HIGH END

The junction box should be located at the high end of the module, not the low end.

### CLAMP ONLY ON LONG SIDES (EXCEPT REC)

The clamps should be fastened on the long sides, not on the short sides. REC is the only manufacturer which allows clamping on the short side.

### LOCATION OF CLAMPS (DISTANCE FROM END)

The following table shows the location of the clamp, as a distance from the end of the module:

	Minimum	Maximum	% of length
REC 235 (long side)	0	416	0 - 25
REC 235 (short side)	0	250	0 - 25
Daqo 190	160	395	10 - 25
Solar Frontier 150	180	330	14 - 26

The installation manual from Daqo does not provide exact limits for the location of clamps, so a 'best practice' location of 10-25% from the end is assumed.

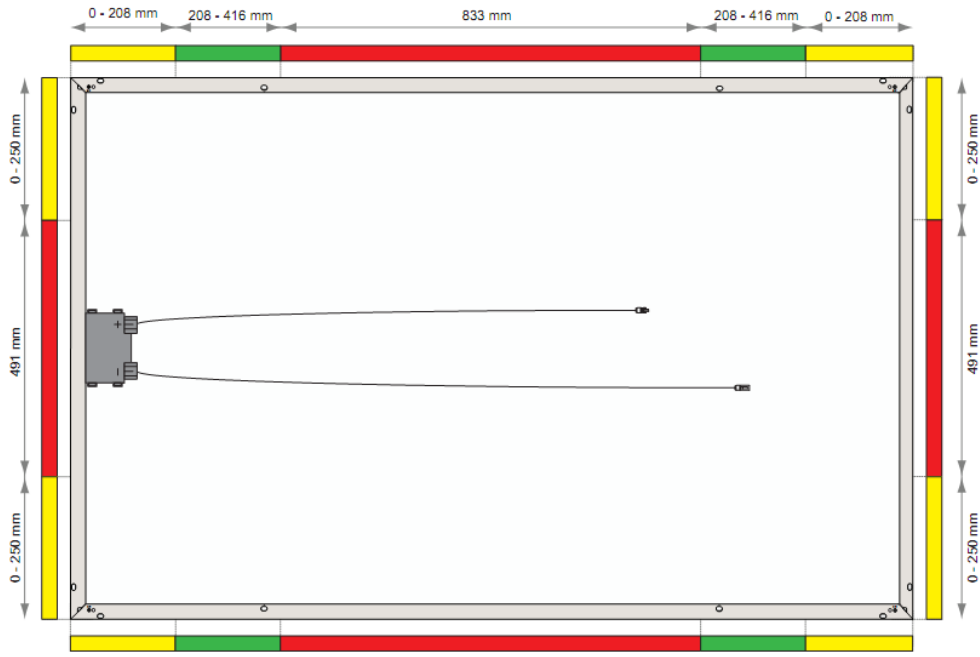
### MOUNTING TORQUE

The M8 cap screws should be installed with a tightening torque of approximately 15 N·m.

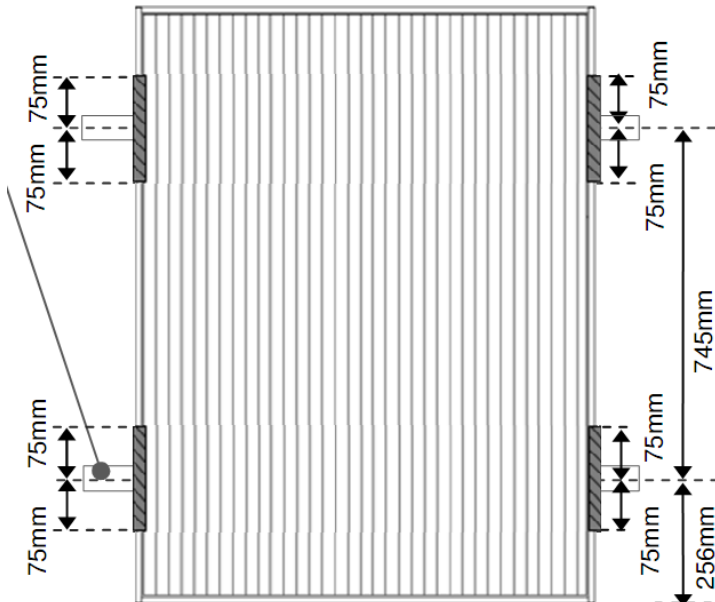
## DIAGRAMS FROM MANUFACTURER'S

- Clamping within the yellow zone (0 - 208 mm long side, 250 mm short side) is certified for design loads up to 2400 Pa (244 kg/m<sup>2</sup>)
- Clamping within the green zone (208 - 416 mm) is certified for design loads up to 5400 Pa (550 kg/m<sup>2</sup>)
- Clamping within the red zone is not permitted (> 416 mm long side, > 250 mm short side).

Fig. 5: Clamping areas



REC 250



Solar Frontier 150

## FURTHER INFORMATION

For further information contact Apollo Energy on 1300 855 484 or [sunlock@apolloenergy.com.au](mailto:sunlock@apolloenergy.com.au)