

## 1.7 Mechanical Loading Specifications and Module Compatibility

To be used only in combination with modules that include this specific rack system in their installation manual.

### PV Modules Mechanically Load and Grounding/Bonding Tested per UL 2703 Ed. 1 (2015) Standard

(XXX denotes module power rating and includes both black and silver frames)

Tested Modules			Design Load Ratings		
Module Manufacturer	Model Number	Surface Area (sf)	Downward Pressure Test Load (psf)	Upward Pressure Test Load (psf)	Downslope Test Load (psf)
<b>Canadian Solar</b>	CS6X-XXXP	20.67	10	5	5
<b>Hyundai</b>	HiS-SXXXRG	17.62	10	5	5
<b>LG Electronics</b>	LGXXXS1C-G4	17.65	10	5	5
<b>SolarWorld</b>	Sunmodule Plus	18.05	10	5	5
<b>Sunpower</b>	SPR-E20-XXX	17.54	10	5	5

\*Module Orientation: Portrait or Landscape

\*Maximum Module Size: 24 ft<sup>2</sup>

\*Maximum Number of Modules: 30 x10 (Landscape); 50 x 6 (Portrait), a total of 300 max

### Compatible PV Modules Grounding/Bonding Evaluated

(XXX denotes module power rating and includes both black and silver frames)

#### Evaluated Modules

Manufacturer	Model Numbers
Canadian Solar	CS6K-XXXMS, CS6K-XXXM, CS6K-XXXP, CS6P-XXXP, CS6U-XXXM, CS6U-XXXP, CS6X-XXXP.
CSUN	CSUNXXX-72M
Ecosolargy	ECOXXXT156M-60, ECOXXXH156p-72
ET Solar	ET-P660XXXWX
Hanwha Q Cell	Q.PEAK-G4.1XXX, Q.PEAK-BLK-G4.1XXX, Q.PEAK-DUO-BLK-G5XXX, Q.PEAK-G5XXX, Q.PEAK DUO-G5 XXX
Hyundai	HiS-MXXXMF, HiS-SXXXMF, HiS-MXXXMG, HiS-SXXXMG, HiS-MXXXRG, HiS-SXXXRG
JA Solar	JAP6(K)-60XXX/4BB, JAM60S01-XXX/PR
Japan Solar	JS-XXXM-LI72
Jinko Solar	JKMXXXPP-60, JKMXXXM-60
LG Electronics	LGXXXN1C-G4, LGXXXN1K-G4, LGXXXS1C-G4, LGXXXN1C-A5, LGXXXN1K-A5, LGXXXQ1C-A5
Mission Solar	MSEXXSQ5T, MSEXSQ5K
Panasonic	VBHNXXXSA16
Peimar	SGXXXP
REC Solar	RECXXTP2, RECXXXNP
Silfab	SLA-MXXX
Solaria	PowerXT XXXR-XX
SolarWorld	Sunmodule Bisun SW XXX duo, Sunmodule Pro-Series SW XXX Poly Wob, Sunmodule Protect SW XXX Mono Black, Sunmodule SW XXX XL Mono, Sunmodule Plus SW XXX Mono.
Sunpower	SPR-X21-XXX, SPR-E20-XXX, SW XXX MONO
Talesun	TP660P XXX
Trina Solar	TSM-DD05A.0X(II) XXX, TSM-PD05.0X XXX