

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) |
| Canadian Solar | CS6X-XXXP | 20.67 | 10 | 5 | 5 |
| Hyundai | HiS-SXXXRG | 17.62 | 10 | 5 | 5 |
| LG Electronics | LGXXXS1C-G4 | 17.65 | 10 | 5 | 5 |
| SolarWorld | Sunmodule Plus | 18.05 | 10 | 5 | 5 |
| Sunpower | SPR-E20-XXX | 17.54 | 10 | 5 | 5 |

*Module Orientation: Portrait or Landscape

*Maximum Module Size: 24 ft²

*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 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Axitec | AC-XXXMH-120S |
| Canadian Solar | CS6K-XXXMS, CS6K-XXXM, CS6K-XXXP, CS6P-XXXP, CS6U-XXXM, CS6U-XXXP, CS6X-XXXP, CS6X-XXXM, CS1K-XXXMS, CS1H-XXX-MS, CS1U-XXX-MS, CS3K-XXX-P, CS3K-XXX-P-AG, CS3K-XXX-MS, CS3K-XXX-MS-AG, CS3L-XXX-P, CS3L-XXX-MS, CS3W-XXX-P, CS3W-XXX-MS, CS3U,XXX-P, CS3U-XXX-P-AG, CS3U-XXX-MS, CS3U-XXX-MS-AG, CS3N-XXX-MS,CS3W-XXX-PB-AG,CS3W-XXX-MB-AG. |
| CSUN | CSUNXXX-72M |
| Ecosolargy | ECOXXXT156M-60, ECOXXXH156P-72 |
| ET Solar | ET-P660XXXWX |
| GCL | GCL-M3-60-XXX |
| 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, Q.PEAK-DUO-L-G5.3XXX, Q,PEAK DUO BLK-G6+ XXX, Q.PEAK DUO-G6+ XXX, Q.PEAK DUO-G7 XXX, Q.PEAK DUO BLK-G8+ XXX, Q.PEAK DUO-G8+XXX, Q.PEAK DUO-L-G8.2XXX, Q.PEAK DUO BLK ML-G9+ XXX, Q.PEAK, DUO BLK ML-G10+ XXX, DUO- XL-G11.7 XXX |
| Hyundai | HiS-MXXXMF, HiS-SXXXMF, HiS-MXXXMG, HiS-SXXXMG, HiS-MXXXRG, HiS-SXXX-RG, HiS-SXXX-RG(BK), HiD-SXXXRG(BK), HiD-SXXXHG, HiS-S400YH(BK). |
| JA Solar | JAP6(K)-60XXX/4BB, JAM60S01-XXX/PR, JAM60S09-XXX-PR, JAP60S09-XXX-SC |

1.7 Mechanical Loading Specifications and Module Compatibility

Compatible PV Modules Grounding/Bonding Evaluated

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

Evaluated Modules

| Manufacturer | Model Numbers |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Japan Solar | JS-XXXM-LI72 |
| Jinko Solar | JKM-XXXPP-60, JKMXXXM-60, JKM-XXXM-60H, JKM-XXXM-60HBL |
| Longi Solar | LR6-72HV-XXXM |
| LG Electronics | LG-XXXN1C-G4, LG-XXXN1K-G4, LG-XXXS1C-G4, LG-XXXN1C-A5, LG-XXXN1K-A5, LG-XXXQ1C-A5, LG-XXXN2T-A5, LG-XXXN1C-V5, LG-XXX-A1C-V5, LG-XXX-N1K-V5, LG-XXX-Q1C-V5, LG-XXX-Q1K-V5, LG-XXX-N1K-L5, LG-XXX-M1C-N5, LG-XXX-A1C-A6, LG-XXX-N1K-A6, LG-XXX-Q1K-A6, LG-XXX-N1C-A6. |
| Mission Solar | MSE-XXX-SQ5K, MSE-XXX-SQ5T, MSE-XXX-SQ8K, MSE-XXX-SQ8T, MSE-XXX-SQ9S, MSE-XXX-SR8K, MSE-XXX-SR8T |
| Panasonic | VBHNXXXSA16, VBHXXXSA17, VBHN-XXX-KA03, VBHN-XXX-RA03K, VBHN-XXX-RA18N |
| Peimar | SGXXXP |
| REC Solar | RECXXXTTP2, RECXXXTTP2M, RECXXXNP, RECXXXNP2, RECXXXNP2 BLACK, RECXXXTTP3M, RECXXXTTP3M BLACK, RECXXXTTP4, RECXXXTTP4 BLACK, RECXXXAA, RECXXXAAP. |
| Risen | RSM72-6-XXXP |
| SEG Solar | SEG-XXX-BMD-HV |
| Silfab | SLA-MXXX |
| Solaria | PowerXT XXXR-XX, PowerXT-XXXR-PD, PowerXT-XXR-PM |
| SolarTech | STU-HJTb-W-XXX |
| 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-E20-XXX, SPR-A-XXX. |
| Talesun | TP660P XXX |
| Trina Solar | TSM-DD05A.0X(II) XXX, TSM-PD05.0X XXX, TSM-DD055A.08(II)XXX, TSM-DD5A.A5(II)XXX, TSM-DD05H.05(II)XXX, TSM-DE15H(II)XXX |
| Ureco | FBM-XXX-MFG-BB |
| VSUN | VSUN-XXX-108M-BB |