

Down Force

| Mounting Plane | 1 | | 2 | | 3 | | 4 | | 5 | |
|-----------------|-------|-------|-------|-------|-------|-------|----|----|----|----|
| Module Location | EM | IM | EM | IM | EM | IM | EM | IM | EM | IM |
| D+S (psf) | 8.37 | 8.37 | 8.37 | 8.37 | 8.37 | 8.37 | | | | |
| D+06W (psf) | 16.37 | 11.78 | 16.37 | 11.78 | 16.37 | 11.78 | | | | |

| Mounting Plane | 6 | | 7 | | 8 | | 9 | | 10 | |
|-----------------|----|----|----|----|----|----|----|----|----|----|
| Module Location | EM | IM | EM | IM | EM | IM | EM | IM | EM | IM |
| D+S (psf) | | | | | | | | | | |
| D+06W (psf) | | | | | | | | | | |

Lateral Parallel to Roof

| Mounting Plane | 1 | 2 | 3 | 4 | 5 |
|----------------|------|------|------|---|---|
| D+S (psf) | 4.83 | 4.83 | 4.83 | | |

| Mounting Plane | 6 | 7 | 8 | 9 | 10 |
|----------------|---|---|---|---|----|
| D+S (psf) | | | | | |

Framing Check

Lumber Species: DF

PV Load = 3 psf

| Mounting Plane | 1 | 2 | 3 | 4 | 5 |
|----------------------|-------|-------|-------|---|---|
| Framing Type | Truss | Truss | Truss | | |
| Framing Size | 2x10 | 2x10 | 2x10 | | |
| Framing Spacing (in) | 16 | 16 | 16 | | |
| Span (ft) | 5 | 6 | 6 | | |
| Moment (lb-ft) | 64 | 92 | 92 | | |
| Shear (lbs) | 51 | 61 | 61 | | |
| Upgrade Size | NA | NA | NA | | |

| Mounting Plane | 6 | 7 | 8 | 9 | 10 |
|----------------------|---|---|---|---|----|
| Framing Type | | | | | |
| Framing Size | | | | | |
| Framing Spacing (in) | | | | | |
| Span (ft) | | | | | |
| Moment (lb-ft) | | | | | |
| Shear (lbs) | | | | | |
| Upgrade Size | | | | | |



Array Attachment Spacing

Module = HANWHA QCELL: Q.PEAK DUO BLK ML-G10+ 410

| Mounting Plane | 1 | 2 | 3 | 4 | 5 |
|--------------------------|------------------------------|------------------------------|------------------------------|---|---|
| Roofing Material | Comp Shingle | Comp Shingle | Comp Shingle | | |
| Attachment Type | Ecofasten RockIt Smart Slide | Ecofasten RockIt Smart Slide | Ecofasten RockIt Smart Slide | | |
| Lag Count Per Attachment | 2 | 2 | 2 | | |
| Min Lag Embedment (in) | 2 | 2 | 2 | | |
| Landscape | 64 | 64 | 64 | | |
| Portrait | 48 | 48 | 48 | | |

| Mounting Plane | 6 | 7 | 8 | 9 | 10 |
|--------------------------|---|---|---|---|----|
| Roofing Material | | | | | |
| Attachment Type | | | | | |
| Lag Count Per Attachment | | | | | |
| Min Lag Embedment (in) | | | | | |
| Landscape | | | | | |
| Portrait | | | | | |