



✓ Installation Savings \$\$

✓ Customized Designs

✓ Supports All Modules

## ***FEWEST Parts & Fasteners*** in the Ground Mount, Fixed Tilt Market

- ❖ ROTATABLE RACK ALLOWS MODULE INSTALLATION IN "FLAT" POSITION
- ❖ INCREASED WORK SAFETY DURING INSTALLATION
- ❖ INSTALL 20 MODULE TABLES IN LESS THAN 20 MINUTES
- ❖ LESS TIME TO STAGE
- ❖ SELF-ALIGNING PANEL RAILS
- ❖ QUICKEST MODULE INSTALLATION AND FASTENING WITH SELF-ALIGNING PANEL RAILS AND ARAYMOND POWER™ CINCH CLIPS
- ❖ CONSTRUCTED WITH HIGH STRENGTH STEEL
- ❖ INTEGRATED BONDING & WIRE MANAGEMENT

## ***FAST. SIMPLE. AFFORDABLE.***

Full Tilt™ racking systems are designed to minimize the number of parts while ensuring fast and easy installation. Coupled with BCI's extensive experience as a global contract manufacturer and over 25GW of solar racking delivered, Full Tilt represents an optimum fixed tilt racking solution. The system boasts an innovative yet straightforward design with the fewest parts and rapid installation features. The Full Tilt team has decades of engineering and global supply chain experience, leading to smooth ordering, delivery, and project leadership.

### ***VISIT US AT:***

[www.ft.solar](http://www.ft.solar)

LinkedIn: [/full-tilt-by-bci/](https://www.linkedin.com/company/full-tilt-by-bci/)

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# FULL TILT

BY BCI<sup>1</sup>

MODULES & ORIENTATION	
MODULES SUPPORTED	Most commercially available framed modules
MODULE CONFIGURATION	2 in portrait
MODULE ATTACHMENT	Accommodates multiple mounting methods including aluminum lockbolts, serrated flange bolts and nuts, and ARaymond PowAR Cinch™ Clips
FEATURES	
TILT ANGLE	0° - 45°
RACKING STRUCTURE	ASTM A653 G90 Standard, other coatings available on request
FOUNDATIONS	Roll-formed CEE sections HDG ASTM A123, other specialized piles also available
HARDWARE	15µm Zinc except module mounting hardware aluminum or stainless steel
MODULES PER PILE	9-10 Modules/pile
WIRE MANAGEMENT	Integral cable tray
GROUNDING METHOD	Racking system is self grounding
GROUND CLEARANCE TO MODULE	As required by client, 19.685" - 39.2701" (500 mm - 1000 mm) is typical range
DESIGN CONSIDERATIONS	
WIND SPEED	105 mph (168.981 kph), Category 1, higher wind speeds on request
SNOW LOAD	20PSF, higher loads on request
SPECIAL TOOLS REQUIRED	None, unless required by specialty fasteners
STRING DESIGN	Compatible with any string size
TOLERANCES	
MAXIMUM SLOPE (E-W)	21%
TOP-OF-PILE HEIGHT	± 3/4" (1.905 cm)
E-W DISTANCE BETWEEN PILES	± 1" (2.54 cm)
PILE TWIST & OUT-OF-PLUMB	± 1°
ALL OTHER TOLERANCES	Unlimited, governed by shade avoidance requirements
ENGINEERING & CERTIFICATIONS	
ETL CERTIFIED	UL 2703
CODE COMPLIANCE	Racks designed to comply with local code, plans sealed by PE
STRUCTURAL ENGINEERING	Project specific plans and calc's sealed by PE
GEOTECHNICAL ENGINEERING	Foundation design included based on geotechnical by others

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