



**RESIDENTIAL SOLUTIONS**  
**SOLARMOUNT (E)volution**

**Performance Engineered for versatility and reduced installation time, SolarMount (E)volution offers unprecedented speed, ease and flexibility.**

SolarMount (E)volution has redefined what residential mounting systems can offer distributors and installers. With its installer-inspired design, more intuitive attachments, and a future-proof approach to engineering excellence, SolarMount (E)volution makes it easy to support future codes and standards.

Truly innovative, SolarMount (E)volution leaves other systems in the dust with average install speeds 15-30% faster than competitive systems on the market today. Versatility is also a key feature of SolarMount (E)volution. The hollow I-Beam construction fits all module configurations.

Universal module mounting hardware with integrated bonding can be inserted easily anywhere along a rail regardless of module thickness. These features result in fewer physical parts and fewer tools, reducing hassles and decreasing installation time.

In addition, anti-seize is not required during installation. The new universal module clamp allows modules to be installed with virtually one hand, speeding installation and simplifying stocking for distributors.

**Key Benefits to Distributors**

- Universal design (two options fit all module sizes)
- Fewer stocking parts (fewer part numbers)
- Easy ordering (including bulk orders)
- Faster time to market
- Competitive pricing

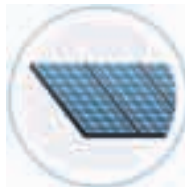
**Key Benefits to Installers**

- Faster permitting
- Faster inspections
- Easier specifications
- Fewer project delays
- Ubiquitous (any engineering firm can design with Unirac products)
- Lower risk (SolarMount (E)volution is engineered to be compliant with IBC codes)
- Industry-leading 20-year limited parts warranty



**Assemble, Don't Build.**

With no drilling required and "click and secure" connections, SolarMount (E)volution reduces the need for nuts and bolts.



**Clean Aesthetics.**

Carefully designed to be sleek, clean and minimal in appearance. After all, it is your roof.



**In Stock & Ready to Ship.**

A nationwide distribution network ensures fast fulfillment of all orders.



**Full Technical Support.**

Comprehensive online tools, tutorials and support videos are available 24-7.





## Unparalleled Customer Service

Unirac prides itself in best-in-class offerings and the same holds true regarding our customer service. Simply put, our staff is the largest, most qualified and most respected in the business. Unirac is right there when you need us, with responsive professionals eager to make your installation as quick and cost effective as possible.

Bolt lengths for mid and end clamps		
Bolt Length (inches)	Module Thickness Range (inches)	
1.25	0.95 to 1.60	
1.75	1.45 to 2.10	
Allowable loads for components		
Component	Load Direction	Allowable Load (pounds)
End Clamp	Tension	542
	Transverse to beam	100
	Parallel to beam	100
Mid Clamp	Tension	1082
	Transverse to beam	100
	Parallel to beam	100
1-Flange with clip	Tension	650
	Compression	850
	Transverse, fixed side	294
	Transverse, flex side	175
Beam end stop	Shear	1222
Retainer clip	Shear	526
Beam section properties		
Properties	Units	Value
Gross area	in <sup>2</sup>	0.537
Section Modulus, X-axis	in <sup>3</sup>	0.336
Section Modulus, Y-axis	in <sup>3</sup>	0.131
Moment of inertia	in <sup>6</sup>	0.370
Moment of inertia, Y-axis	in <sup>4</sup>	0.066
Radius of gyration, X-axis	in	0.830
Radius of gyration, Y-axis	in	0.350

Part Number	Description
002010M	SM(E) END CLAMP MILL (24mm -36.4mm)
002011M	SM(E) END CLAMP MILL (36.5mm - 51mm)
002105M	SM(E) MID CLAMP MILL (24mm -36.4mm)
002106M	SM(E) MID CLAMP MILL (36.5mm - 51mm)
003002M	SM(E) RETAINING SPLICE MILL
003007M	SM(E) BEAM POSITIVE STOP MILL
008006S	UGC-3 BONDING CLIP
004000M	SM(E)/SM-I 1 FLANGE CONNECTOR
003005M	SM(E)/SM-I CLIP MILL
003004M	LEVELING GAUGE
008007S	SM(E) FIVE WIRE CLIP
007007M	SM(E) 7 IN FIXED TILT 5/16"
007015M	SM(E) 15 IN FIXED TILT 5/16"
007020M	SM(E) 20 IN FIXED TILT 5/16"
007034M	SM(E) 34 IN FIXED TILT 5/16"

*Rail lengths: 208" and 240"*

*For dark finish and other rail lengths, please contact your local Unirac distributor.*



ETL listing to UL467  
Listing # 3104500-001B dated 6/21/2011