

# GC Paver Ballasted Ground System



## Ballasted Ground System



## Technical Data

### Material:

Rail support structure components: G90 galvanized steel  
 Panel mounting rails: 6063T6 aluminum  
 Recycled HMWPE forms  
 Grounding Strips, Stiffening Strips: 304 stainless steel  
 Nuts, washer, lock washers 3/8 inch: hot dip galvanized or Magnacoat bolts and flange nuts  
 Panel mounting hardware:  
 Panel mounting clips: aluminum or stainless steel teethed clips  
 1/4 - 20 x 2.5" T bolts, stainless steel 1/4 - 20 serrated flange nuts: stainless steel  
 Use freeze thaw rated concrete where applicable

### Calculations:

100% code compliant designs for any locality  
 Third-party structural PE, stamped drawings and calculations  
 Individual system structural calculations  
 Individual system design calculations based on regional load values  
 Design loads according to IBC 2006 or 2009

### Grounding:

Racking system has integrated grounding utilizing provided grounding strips or teethed clips to end of each row  
 Grounding must be done by electrician at row ends

## System Information

### Features:

Standard inexpensive 74 pound pavers stack on ballast trays  
 Fast top down panel attachment to aluminum rails  
 Integrated tray for easy wire management  
 Tilt adjustability when mounting tubes to pans to accommodate uneven ground  
 5 to 35° tilt with multiple inter-row spacing options  
 Module grounding strips included - approved by ETL to UL 467  
 Full layout and engineering analysis for every project

### Installation:

Fast installation with minimum components count and simple design  
 Five men install 180 panels, racks and pavers per day, 900 per week  
 Three inch vertical adjustability when mounting rails onto tubes  
 Turnkey installation available

### Testing & Certifications:

Wind tunnel tested and rated for 120mph wind speed  
 Unique design innovations with patents pending  
 ETL/UL 2703 tested  
 Meets IBC and ASME standards for structural loading  
 Warranty 20 years - simply the best in the industry

### Pricing:

Volume purchases start from \$.199/watt for 2 MW with 300 watt panels

## Technical Data

### Material:

Tray, Tube Clamp, Tray Plate, Cross Brace Mounting Plate, Cross Brace: G90 galvanized steel  
 Panel Mounting Rails: 6063T6 aluminum  
 Grounding Strip, Stiffening Strip: 304 stainless steel  
 U Bolts, 3/8 inch diameter: hot dip galvanized or Magnacoat  
 Nuts, Washer, Lock Washers 3/8 inch: hot dip galvanized or Magnacoat serrated flange nuts  
 Plate mounting hardware:  
 Panel mounting clips: 5052 aluminum or stainless steel teethed clips  
 1/4-20 x 2.5" T bolts, 1/4 -20 serrated flange nuts: stainless steel or Magnacoat

### Calculations:

100% code compliant designs for any locality  
 Third-party structural PE, stamped drawings and calculations  
 Individual system structural calculations  
 Individual system design calculations based on regional load values  
 Design loads according to IBC 2006 or 2009  
 Patent pending profile geometries with optimum material utilization

### Grounding:

Racking system has integrated grounding utilizing provided grounding strips or teethed clips to end of each row  
 Grounding must be done by electrician at row ends

2. Aluminum rails simply bolt onto supports, enable 7" vertical adjustability

4. Panels rapidly mount using top mount clips

1. Standard pavers placed on tray

3. Integrated wire management tray

2. Aluminum rails mount quickly

4. Panels rapidly attach using top mount clips