

# P-Type Perc



GRAND MOUNTAIN

## 182 Mono Bifacial 10BB Cell



www.grandmountainsg.com



sales@grandmountainsg.com

### KEY FEATURES



High Photoelectric Conversion Efficiency



Low PID, LID Effect



Excellent Resistance to Hidden Cracks



High Power Generation

### Average Efficiency

# 22.8~23.2%

### Technical Data And Design

TkPower: -0.35%/K	TkVoltage: -0.27 %/K	TkCurrent: +0.03%/K
Dimension: 182mm*182mm±0.25mm	Cell Thickness :160±16 μm	Solderability : ≥1.4N/mm
Front (-): (Silver) Busbar width: 0.06mm, Finger grids (silver): 148, Blue anti-reflecting coating (silicon nitride)		
Back (+): 1.4mm Aluminium Busbar Mosaic Width of back electrode (silver): 1.2mm Finger grids (aluminum): 164		
The results may be influenced by electrode, welding method and conditions.		

### Electrical Performance

Efficiency	Unit	23.4	23.3	23.2	23.1	22.9	22.8	22.7	22.6	22.5	22.4	22.3	22.2
Voc	V	0.695	0.693	0.692	0.691	0.690	0.689	0.688	0.687	0.686	0.685	0.588	0.587
Isc	A	13.488	13.467	13.435	13.403	13.370	13.338	13.305	13.273	13.240	13.207	13.174	13.141
Vmpp	V	0.598	0.597	0.596	0.595	0.594	0.593	0.592	0.591	0.590	0.589	0.588	0.587
Impp	A	12.925	12.880	12.854	12.819	12.784	12.749	12.715	12.681	12.646	12.612	12.577	12.542
Pmpp	W	7.72	7.69	7.66	7.63	7.59	7.56	7.53	7.49	7.46	7.43	7.40	7.36
FF%	W	82.45	82.43	82.39	82.35	82.31	82.27	82.23	82.19	82.15	82.11	82.07	82.03

Standard Test Conditions: 1000W/m<sup>2</sup>, AM1.5, 25 °C

### Packaging Storage

Solar cells are closely packed with soft sponge around and heat shrink is used around the box unit. Outer packing box must have shock buffer, to be suitable for long-distance delivery.

After packaging, cells should be stored indoors in the conditions of good ventilation, dry, humidity below 60%, and temperature ≤ 40 °C .

Cells should be sampling inspected again if the storage time over 45 days.

### Iv Curve

