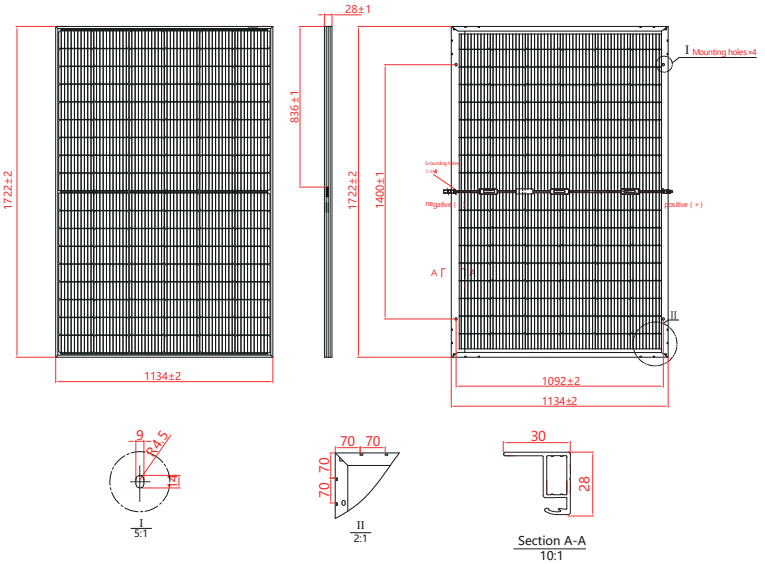
Mechanical Specifications

External Dimension	1722 x 1134 x 28 mm
Weight	18.5 kg
Solar Cells	PERC Mono crystalline(108 pcs)
Front / Back Glass	1.6mm AR coating semi-tempered glass, low iron
Frame	Black anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm², 250mm(+)/350mm(-) or Customized Length

Technical drawing



Packing Configuration

Container	20ïGP	40ïHQ
Pieces per Pallet	39	39
Pallets per Container	6	26
Pieces per Container	234	1014

Electrical Characteristics

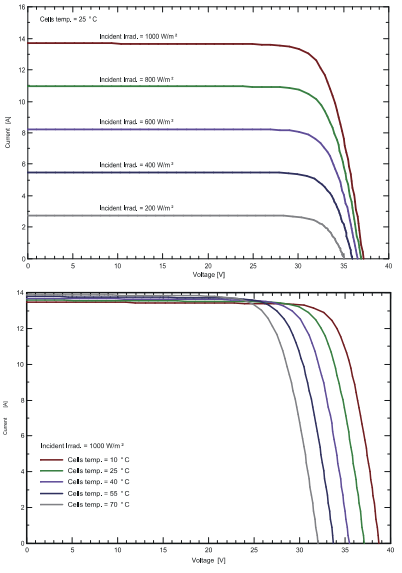
Module Type	YB-400-BMD-BG			YB-405-BMD-BG			YB-410-BMD-BG			YB-415-BMD-BG		
	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC	Front STC	Front NOCT	Back STC
Maximum Power -P_{mp} (W)	400	301	280	405	304	284	410	308	287	415	311	291
Open Circuit Voltage -V_{oc} (V)	37.12	34.64	37.10	37.22	34.73	37.20	37.32	34.81	37.30	37.42	34.90	37.40
Short Circuit Current -I_{sc} (A)	13.60	10.99	9.59	13.70	11.07	9.66	13.80	11.15	9.73	13.90	11.23	9.80
Maximum Power Voltage -V_{mp} (V)	30.81	28.82	30.80	30.93	28.91	30.98	31.05	29.05	31.03	31.16	29.19	31.17
Maximum Power Current -I_{mp} (A)	12.99	10.44	9.10	13.10	10.51	9.17	13.21	10.59	9.25	13.32	10.66	9.34
Module Efficiency STC-d_{m} (%)	20.48			20.74			21.00			21.25		
Power Tolerance（W）	(0, +4.99)											
Pmax Temperature Coefficient	-0.34 %/ÁC											
Voc Temperature Coefficient	-0.26 %/ÁC											
Isc Temperature Coefficient	+0.05 %/ÁC											

STC: Irradiance 1000 W/mĮ module temperature 25ÁC AM=1.5
Power measurement tolerance: +/-3%

Rear Side Power Gain(YB-410-BMD-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P_{mp} (W)	451	472	492	513	533
Open Circuit Voltage -V_{oc} (V)	37.32	37.32	37.32	37.32	37.32
Short Circuit Current -I_{sc} (A)	15.18	15.87	16.56	17.25	17.94
Maximum Power Voltage -V_{mp} (V)	31.05	31.05	31.05	31.05	31.05
Maximum Power Current -I_{mp} (A)	14.53	15.19	15.85	16.51	17.17

I-V Curve



Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25 A
Operating Temperature	-40~+85 ÁC
Nominal Operating Cell Temperature	45Ñ2 ÁC
Bifaciality	70%Ñ10%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

Guangdong Yibai Optotech Co.,Ltd

Tel: (86) 0750 376 6180
Web: www.yboptotech.com
Email: info@yboptotech.com

Specifications subject to technical changes and test, YIBAI Solar reserves the right of final interpretation.