



MUSTANG

SERIES

High efficiency bifacial modules

605w to 620w

• TOPCon MODULE ADVANTAGE



Multi-Busbar technology



Superior load capacity



High module efficiency



Excellent low-light performance



Lower annual attenuation longer warranty



Low BOS and KWH cost



Reduce heat spot effect



Higher bifacially

• QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

STEEL FRAME TECHNOLOGY



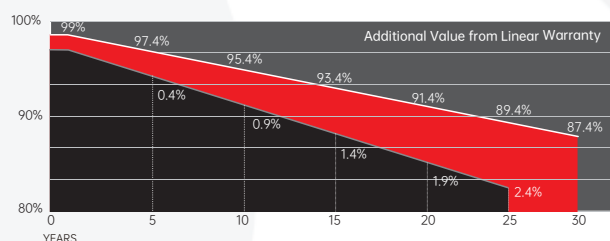
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

TOPCon 182*210mm



UAN: +92-21-111-209-988



www.aptinverex.com



info@aptinverex.com

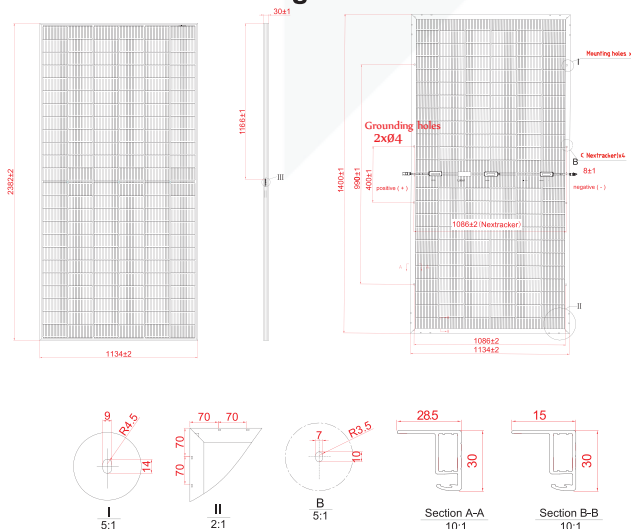
Mechanical Specifications

External Dimension	2382 x 1134 x 30mm
Weight	35.4 kg
Solar Cells	TOPCon 182 x 105 mm (132pcs)
Front / Back Glass	2.0mm AR coating semi-tempered glass, low iron
Frame	steel
Junction Box	IP68, 3 diodes
Output Cables	4.0mm ² , 250mm(+)/350mm(-) or Customized Length

Packing Configuration

Container	20'GP	40'HQ
Pieces per Pallet	37	37
Pallets per Container	4	20
Pieces per Container	148	740

Technical drawing



Electrical Characteristics

Module Type	MUSTANG 605W			MUSTANG 610W			MUSTANG 615W			MUSTANG 620W		
	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC	Front STC	Front BNPI	Back STC
Maximum Power -P _{mp} (W)	605	670	484	610	676	488	615	681	492	620	687	496
Open Circuit Voltage -V _{oc} (V)	48.72	48.80	48.70	48.92	49.00	48.90	49.12	49.20	49.10	49.32	49.40	49.30
Short Circuit Current -I _{sc} (A)	15.82	17.53	12.66	15.87	17.58	12.70	15.92	17.64	12.74	15.97	17.69	12.78
Maximum Power Voltage -V _{mp} (V)	40.51	40.59	40.49	40.71	40.79	40.69	40.91	40.99	40.89	41.11	41.19	41.09
Maximum Power Current -I _{mp} (A)	14.94	16.51	11.95	14.99	16.57	11.99	15.04	16.62	12.03	15.09	16.68	12.07
Module Efficiency STC-η _m (%)	22.40			22.58			22.77			22.95		
Power Tolerance (W)	(0, +4.99)											
Pmax Temperature Coefficient	-0.29 %/°C											
Voc Temperature Coefficient	-0.25 %/°C											
Isc Temperature Coefficient	+0.046 %/°C											

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5 Power measurement tolerance: +/-3% Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%
 BNPI: front 1000 W/m² rear 135 W/m² Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

Rear Side Power Gain(SRP-565-BTA-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -P _{mp} (W)	671	702	732	763	793
Open Circuit Voltage -V _{oc} (V)	48.92	48.92	48.92	48.92	48.92
Short Circuit Current -I _{sc} (A)	17.46	18.25	19.04	19.84	20.63
Maximum Power Voltage -V _{mp} (V)	40.71	40.71	40.71	40.71	40.71
Maximum Power Current -I _{mp} (A)	16.49	17.24	17.99	18.74	19.49

Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25 A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Bifaciality	80%±5%
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

I-V Curve

