

TOP 5 Advantage of Module



Anti-PID Design
 Products satisfy by anti-PID cell and module technology



Excellent Low-Irradiance
 Well generation stability in faint lighting conditions



Excellent module efficiency 17.5%
 0-5% positive power tolerance
 5-busbar better current control



Class IP68 junction box for long-term weather endurance



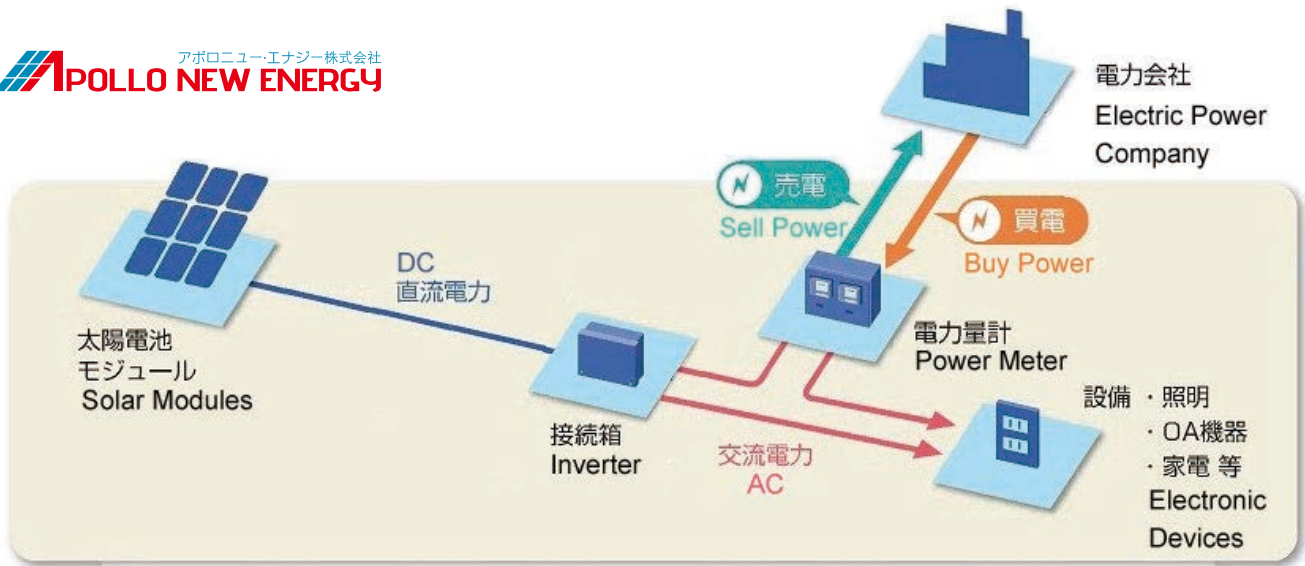
Robust Mechanical Durability
 Heavy snow load up to 5400Pa
 Wind load up to 2400Pa



Poly 5BB Module AP- 270 | 275 | 280 | 285

High quality and reliability in all Apollo New Energy modules is ensured by rich experience well-engineered module design and manufacturing process and 100% EL testing 3 times.





ELECTRICAL PARAMETERS @ STC

AP-270 AP-275 AP-280 AP-285

Parameter	Unit	AP-270	AP-275	AP-280	AP-285
Maximum Power	W	270	275	280	285
Open Circuit Voltage	VOC	38.2	38.2	38.6	38.8
Short Circuit Current	ISC	9.30	9.35	9.41	9.47
Maximum Power Voltage	Vmp	30.9	30.9	31.2	31.5
Maximum Power Current	Imp	8.74	8.90	8.97	9.05
Module Efficiency	%	16.6	16.9	17.2	17.5

ELECTRICAL PARAMETERS @ NOCT

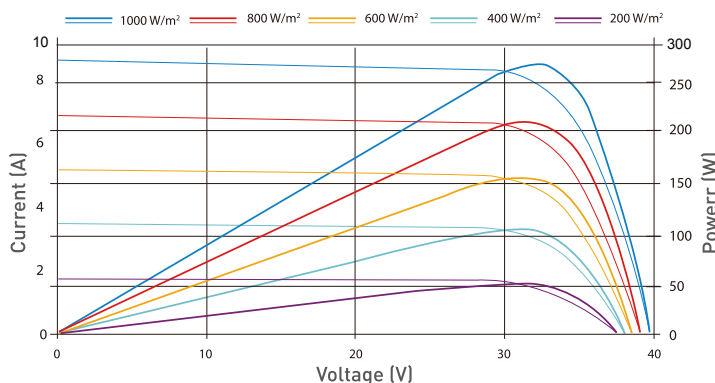
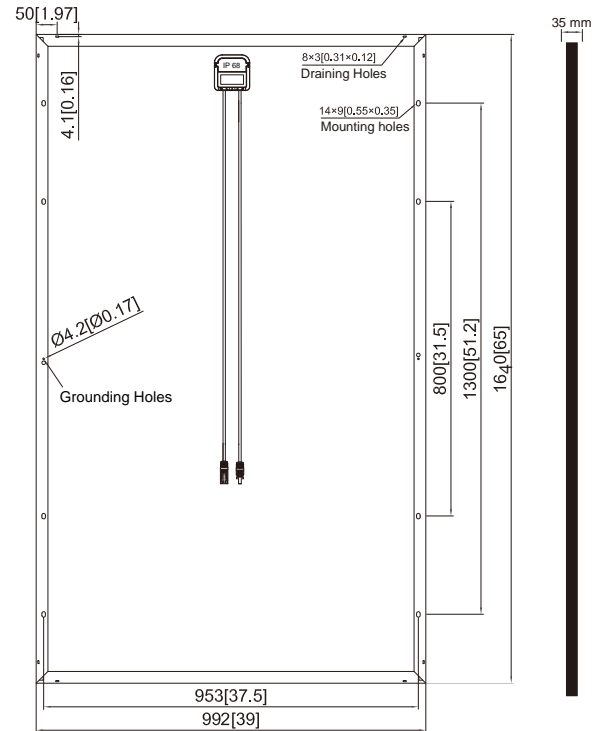
All figures bear 0+5W of tolerance
 Data under standard testing conditions (STC): 1.000W/M², AM1.5, 25°C

Parameter	Unit	AP-270	AP-275	AP-280	AP-285
Maximum Power Voltage Vmp	V	28.45	28.72	29.03	29.30
Maximum Power Current Imp	A	7.02	7.07	7.12	7.19
Open Circuit Voltage Voc	V	35.31	35.45	35.64	35.82
Short Circuit Current Isc	A	7.52	7.56	7.61	7.66
Module Dimensions (L x W x H)	mm	1640 x 992 x 35			

MECHANICAL PARAMETERS / OPERATING CONDITION

Cell Type	Poly 156x156mm
Number of Cells	60 cells (6x10)
Weight	18.5 kg
Frame	Anodised Aluminum
Junction Box	IP68 3 x diodes
Cable	4.0mm ² 900mm
Maximum System Voltage	1000 (DC)
Operating Temperature	-40~+85 °C
Maximum Wind/Snow Load	5400 / 2400 Pa
Diodes	15 A
Application Class	Class A
Fire Rating	Class C
Temperature Coefficients of Pmp	-0.40 % / °C
Temperature Coefficients of Voc	-0.31 % / °C
Temperature Coefficients of Isc	+0.55 % / °C

Ambient Temperature 20°C, Wind Speed 1m/s
 Nominal Operating Cell Temperature (NOCT): Irradiance 800W/m²



Australia Distributor:

