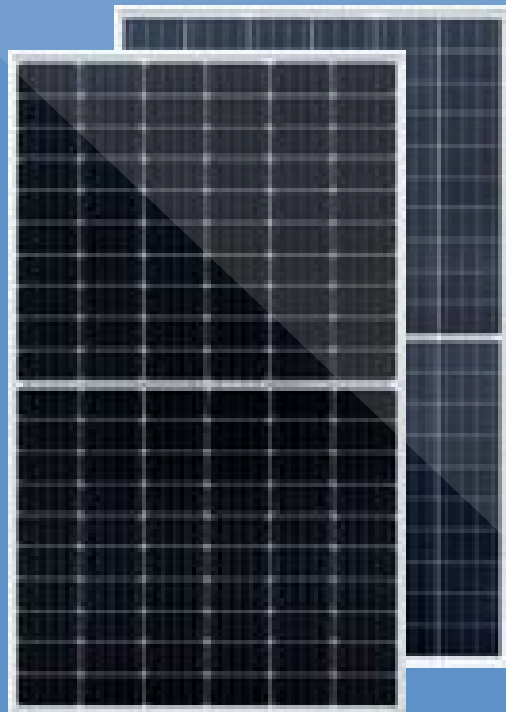


AKADEMİ®

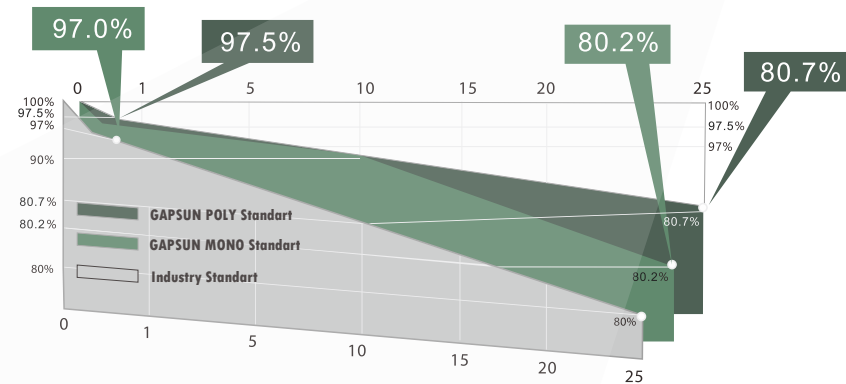
60H

AKADEMİ series (Super-efficiency Half-Cell Modules) Assembled with the advanced half-cell technology offer the advantages of higher power output, reduced series resistance loss, and lower risk of hot spot. In order to meet the Clients requirements of best quality and efficiency.

60x2 cells Half-cut cell modules



LINEAR PERFORMANCE WARRANTY



Smaller electric current, less CTM loss
Lower risk of hot spot



Wind load up to 3800Pa
Snow load up to 5400Pa



0-5W positive power sorting



Stable performance under weak light conditions



25-year power warranty
10-year product warranty

MONO

	GAPH-320M		GAPH-325M		GAPH-330M		GAPH-335M		GAPH-340M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	320W	238W	325W	242W	330W	246W	335W	250W	340W	254W
Open Circuit Voltage (Voc)	40.45V	37.67V	40.78V	38.00V	41.07V	38.38V	41.37V	38.72V	41.67V	39.06V
Short Circuit Current (Isc)	10.17A	8.15A	10.24A	8.21A	10.32A	8.26A	10.39A	8.32A	10.47A	8.37A
Voltage at Maximum Power (Vmpp)	33.54V	33.43V	33.78V	33.70V	34.06V	34.02V	34.30V	34.31V	34.55V	34.60V
Current at Maximum Power (Impp)	9.54A	7.12A	9.62A	7.18A	9.69A	7.23A	9.77A	7.29A	9.84A	7.34A
Module Efficiency (%)	19.01%		19.31%		19.61%		19.90%		20.20%	

POLY

	GAPH-295P		GAPH-300P		GAPH-305P		GAPH-310P		GAPH-315P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	295W	221W	300W	225W	305W	229W	310W	233W	315W	237W
Open Circuit Voltage (Voc)	39.65V	37.21V	39.94V	37.47V	40.20V	37.68V	40.46V	37.90V	40.71V	38.11V
Short Circuit Current (Isc)	9.66A	7.74A	9.74A	7.82A	9.83A	7.90A	9.91A	7.98A	10.00A	8.06A
Voltage at Maximum Power (Vmpp)	32.14V	30.36V	32.36V	30.57V	32.61V	30.78V	32.84V	30.98V	33.08V	31.18V
Current at Maximum Power (Impp)	9.18A	7.28A	9.27A	7.36A	9.35A	7.44A	9.44A	7.52A	9.52A	7.60A
Module Efficiency (%)	17.53%		17.82%		18.12%		18.42%		18.71%	

Packing Configuration

	20'GP	40'GP
Container	20'GP	40'GP
Pieces per pallet	30	30
Pallets per container	12	26
Pieces per container	360	780

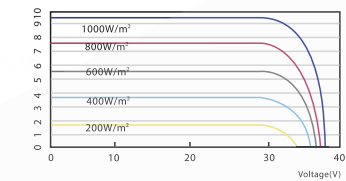
Mechanical Characteristics

Solar Cell	Mono/Poly
No. of Cells	120 (6x20)
Dimensions	1690x996x35mm
Weight	21.0kgs
Front	Glass 3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67/68 rated(3 by pass diodes)
Output Cables	4.0mm ² , symmetrical length 300mm
Connectors	MC4 compatible
Mechanical load test	5400Pa

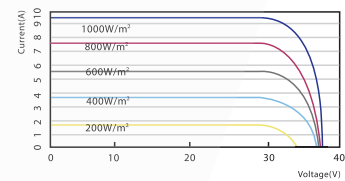
60x2 cells

AKADEMİ

GAPH-325M/I-V

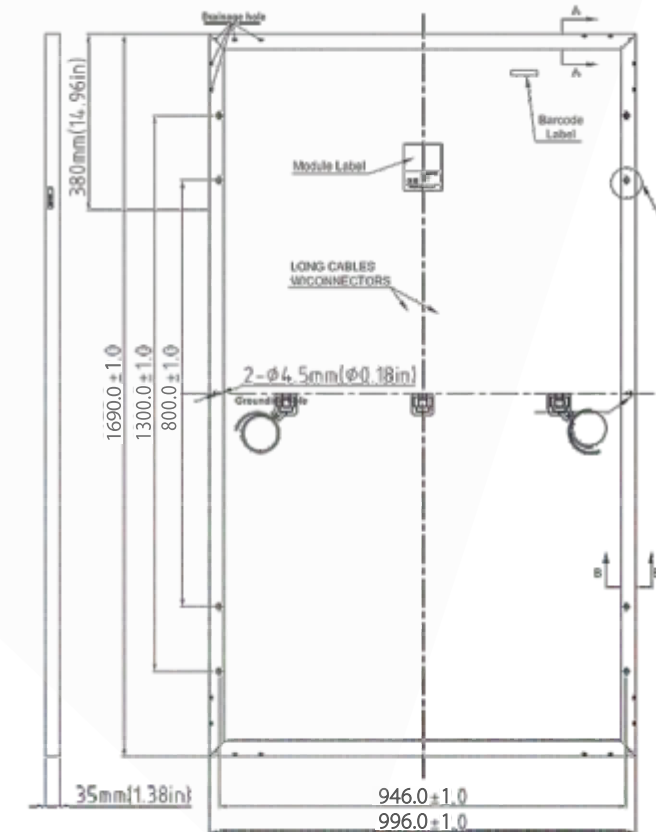


GAPH-300P/I-V



STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G
NOCT: Irradiance 800W/m², ambient temperature 20°C,
wind speed 1m/s, AM1.5G

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC(IEC) 1000V DC(UL)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W
Temperature Characteristics	
Nominal Operating Cell Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.29%/°C
Temperature Coefficient of Isc	+0.05%/°C



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