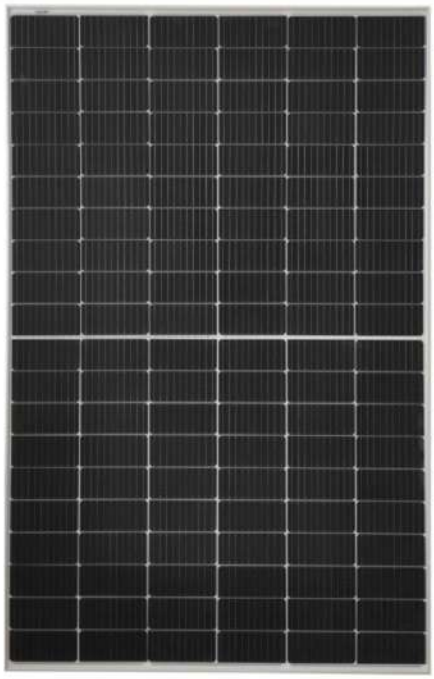
ANJI TECHNOLOGIES WORLDWIDE ENERGY GROUP (UK)

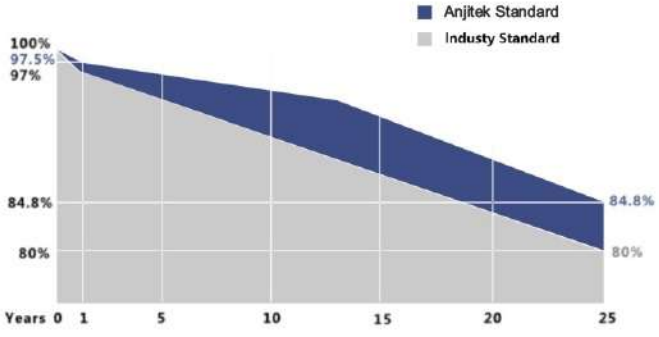
ANJITEK SERIES
435-455W Mono
10BB/182mm Cell 144 Half-Cell Layout

ANJI Technologies solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generationn and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers signifcantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



- Ga Gallium-doped Technology
- Half Cut Cell Technology
- MBB Technology
- anti PID LID Anti-PID Low LID Performance
- A Less Hot Spot Shading Effects
- $ Lower BOS & LCOE

Linear performance Warranty



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality

ISO TÜV CE CQC DEKRA MCS

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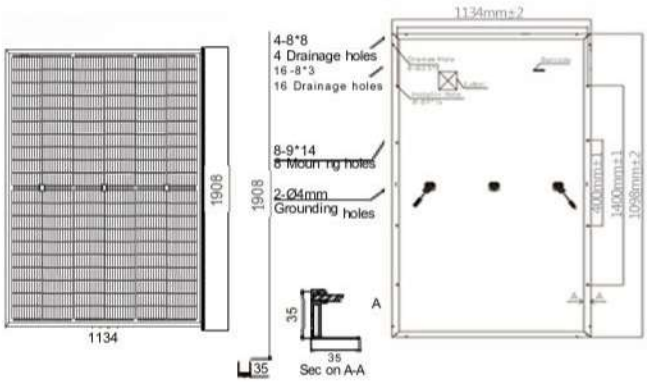
MECHANICAL CHAUACTERICS

Solar Cells		Mono
No. of Cells		120 (6x20)
Dimensions		1908 x 1134 x 35mm
Weight		24.0kgs
Front Glass		3.2mm coated tempered glass
Frame		Anodized aluminium alloy
Junc on Box		Ip68 rated (3 by pass diodes)
Output Cables		4.0mm²
		300mm (+) / 400mm (-)
		Length can be customized
Connectors		Mc4 compa ble
Mechanical load test		5400Pa



ELECTRICAL PARAMETERS

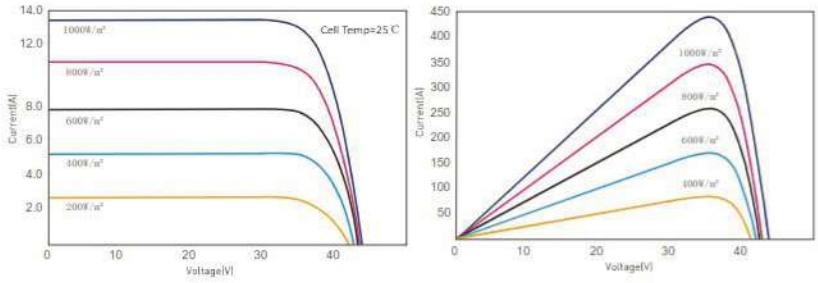
POWER CLASS	ANJ110-435		ANJ110-440		ANJ110-445		ANJ110-450		ANJ110-455	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	435W	323W	440W	327W	445W	331W	450W	335W	455W	339W
Open Circuit Voltage (Voc)	41.38V	39.06V	41.44V	39.12V	41.50V	39.17V	41.56V	39.23V	41.62V	39.29V
Short Circuit Current (Isc)	13.41A	10.83A	13.55A	10.94A	13.67A	11.04A	13.81A	11.15A	13.95A	11.26A
Voltage at Maximum power (Vmpp)	34.16V	31.78V	34.21V	31.83V	34.26V	31.87V	34.31V	31.92V	34.36V	31.97V
Current Maximum Power (Impp)	12.74A	10.19A	12.87A	10.29A	12.99A	10.39A	13.12A	10.49A	13.25A	10.60A
MODULE EFFICIENCY(%)	20.2%		20.4%		20.6%		20.8%		21%	

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

PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	31	31
Pallets per container	5	20
Pieces per container	155	620

I-V CURVE GC-455M/I-V



OPERATING CHARACTERISTICS

Opera ng Module Temperature	-40°C to + 85°C
Maximun SystemVoltage	1500 DC (IEC)
Maximun Series Fuse Ra ng	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Opera ng Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%°C
Temperature Coefficient ofVoc	-0.28%°C
Temperature Coefficient of Isc	+0.05%°C

Note: Due to con nuous technical innova on, R&D and improvement ,technical data above men oned may be of modifica on accordingly. ANJITEK(UK) have the sole right to make such modifica on at any me without further no ce.

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