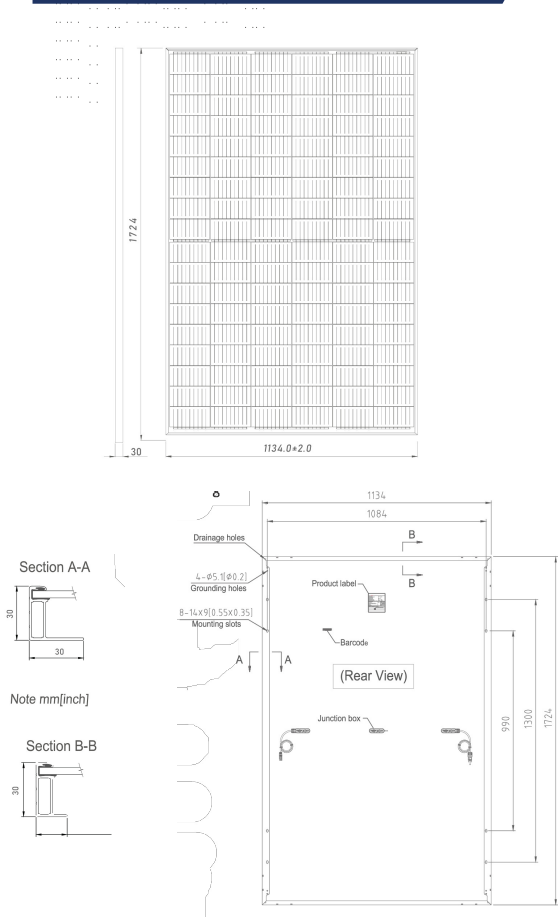
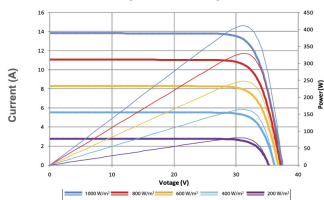




Model: AS-S108-M10N-435-OPT

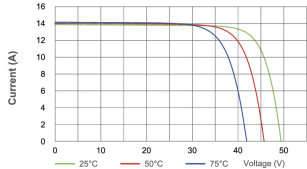
435W**ENGINEERING DRAWING****I-V CURVE**

Current-Voltage & Power-Voltage Curve (410)



1.00% First Year Power Degradation

0.40% Annual Degradation

**TEMPERATURE COEFFICIENT**

Temperature Coefficient Pmax	-0.29%/°C
Temperature Coefficient Voc	-0.25%/°C
Area of the module	+0.046%/°C
NMOT	42±2°C

ELECTRICAL CHARACTERISTICS

Maximum Power (Pmax/W)*	435
Operating Voltage (Vmp/V)	32.7
Operating Current (Imp/A)	13.31
Open-Circuit Voltage (Voc/V)	39.3
Short-Circuit Current (Isc/A)	14.10
Module Efficiency η_m (%)	22.3
STC: Irradiance 1000W/m ² , module temperature 25°C, AM=1.5; *Measuring tolerance: ±3%	

PERFORMANCE AT NMOT

Maximum Power (Pmax/W)*	333
Operating Voltage (Vmp/V)	30.8
Operating Current (Imp/A)	10.82
Open-Circuit Voltage (Voc/V)	37.2
Short-Circuit Current (Isc/A)	11.41
NMOT: Irradiance 800W/m ² , ambient temperature 20°C, AM=1.5, wind speed 1m/s	

MECHANICAL SPECIFICATION

Cell Type	N-Type TOPCon Monocrystalline Silicon
Cell Dimensions	182*91mm
Cell Arrangement	108 (6*18)
Weight	21kg
Module Dimensions	1724*1134*30
Cable Length	350mm or customised length
Cable Cross Section Size	TUV: 4mm ²
Front Glass	3.2mm or customised length
No. of Bypass Diodes	3/6
Packing Configuration	36 pcs/carton, 936 pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68

OPERATING CONDITIONS

Maximum System Voltage	1500V/DC (IEC)
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	25A
Static Loading	Snow Loading: 5400Pa / Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 Compatible
No. of Bypass Diodes	3/6
Packing Configuration	36 pcs/carton, 936 pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68