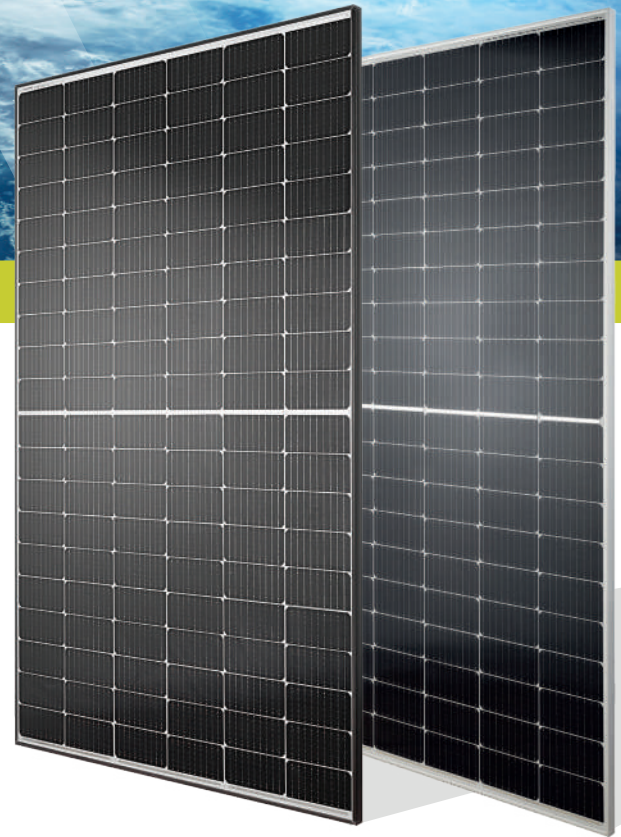
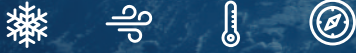


HC MONO
400 Watt



KEY FEATURES




Our solar cells offer high conversion efficiency to ensure the highest quality.

Our high performing modules enable cost savings in mounting, cabling and labour of up to 15%.

The modules can withstand high wind-pressure, snow loads and extreme temperatures.

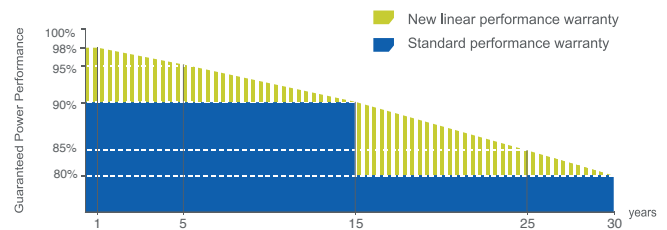
Passed IEC 5400 Pa mechanical loading test
PID Resistance Available.

QUALITY AND SAFETY

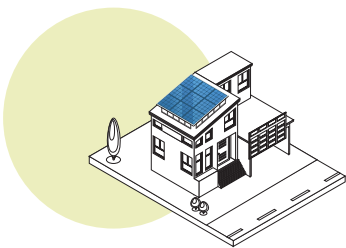
-  Industry leading power output warranty
 15 years/90%
 30 years/80%
-  25-year warranty on materials & workmanship
-  Fire Rating: Class 1



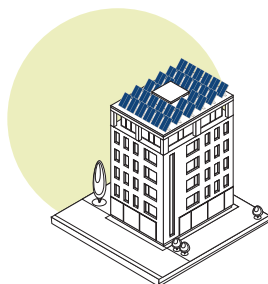
PREMIUM PERFORMANCE WARRANTY



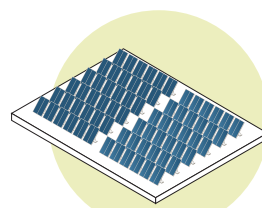
APPLICATIONS



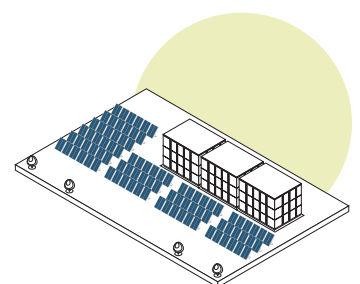
On-grid residential roof-tops



On-grid commercial - industrial roof-tops

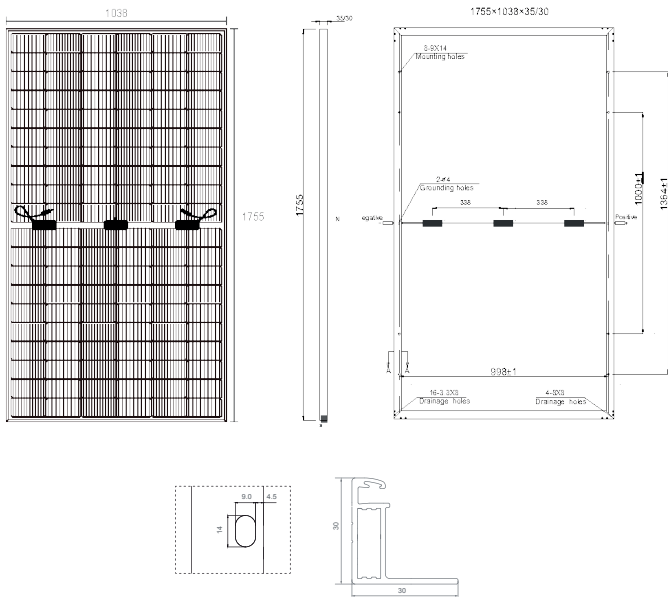


Solar power plants



Off-grid systems

ENGINEERING DRAWINGS




PACKAGING CONFIGURATION

Standard packaging (pallet)	30mm/35mm - frame: 76/66 pcs
Module quantity per 20' container	N/A
Module quantity per 40' container	30mm/35mm - frame: 988 (1014)/858 pcs

SPECIFICATIONS

Module Type ⁽¹⁾	TKA400M-120	
	STC ⁽²⁾	NMOT ⁽³⁾
Maximum Power (Pmax)	400Wp	289Wp
Maximum Power Voltage (Vmp)	34.7V	31.9V
Maximum Power Current (Imp)	11.53A	9.04A
Open-circuit Voltage (Voc)	41.00V	38.26V
Short-circuit Current (Isc)	12.13A	9.49A
Module Efficiency (%)	21.96%	
Voc and Isc tolerance	±3%	
Operating Temperature(°C)	-40°C~+85°C	
Maximum system voltage	1500V	
Maximum series fuse rating	20A	
Temperature coefficients of Pmax	-0.29%/°C	
Temperature coefficients of Voc	-0.25%/°C	
Temperature coefficients of Isc	0.048%/°C	
Nominal operating cell temperature (NOCT)	45±2 °C	

STC  Irradiance 1000W/m²



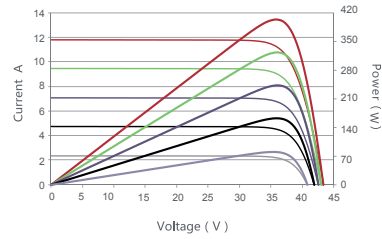
Module Temperature 25°C



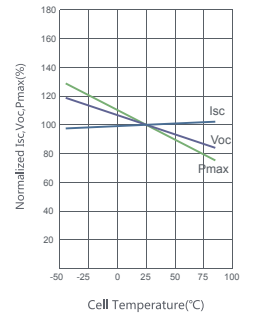
AM=1.5

ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE

Current-Voltage & Power-Voltage Curves (400W)



Temperature Dependence of Isc, Voc, Pmax



MECHANICAL CHARACTERISTICS

Cell Type	Orion N-Type Mono-crystalline (166mm×83mm)
No. of cells	120 (6×20)
Dimensions	1755×1038×30mm / 1755×1038×35mm
Weight	20.0kg
Front Glass	3.2mm, AR Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy(Silver/Black optional)
Junction Box	IP68 Rated
Output Cables	TÜV 1×4.0mm ² / UL 12AWG, Length:1100mm