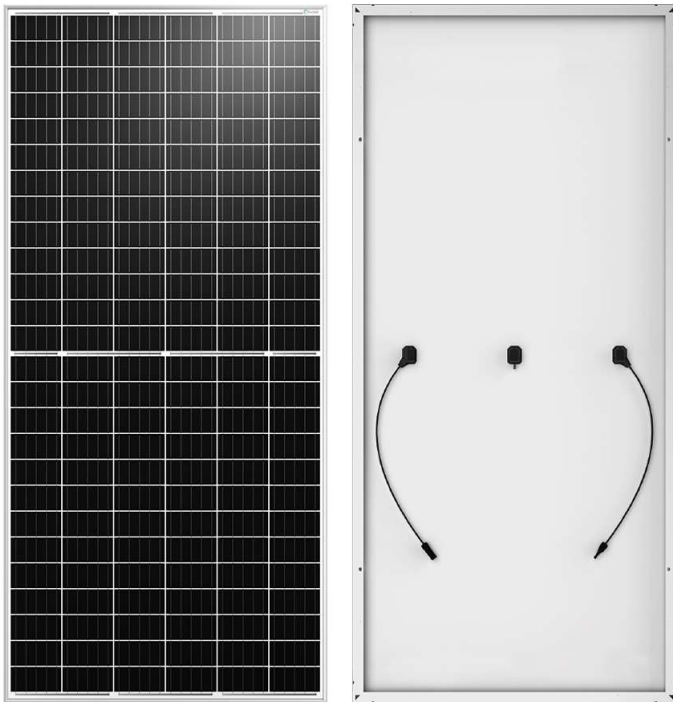




TENKA[®] solar GROUP GmbH



HALF CUT MODULE 585-595 Watt

KEY FEATURES

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

Our high performing modules

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

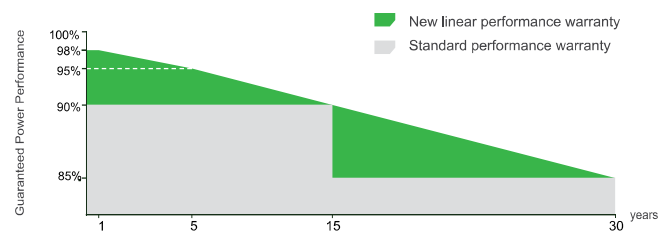
Passed IEC 5400 Pa mechanical loading test
PID Resistance Available

QUALITY & 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



* Based on customer requirements and contract terms

ISO9001:2008, ISO14001:2004, OHSAS18001 certified factory
IEC61215, IEC61730 certified products



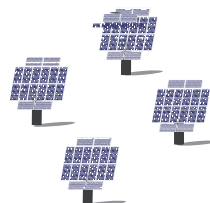
APPLICATIONS



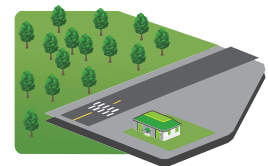
On-grid residential roof-tops



On-grid commercial/
industrial roof-tops

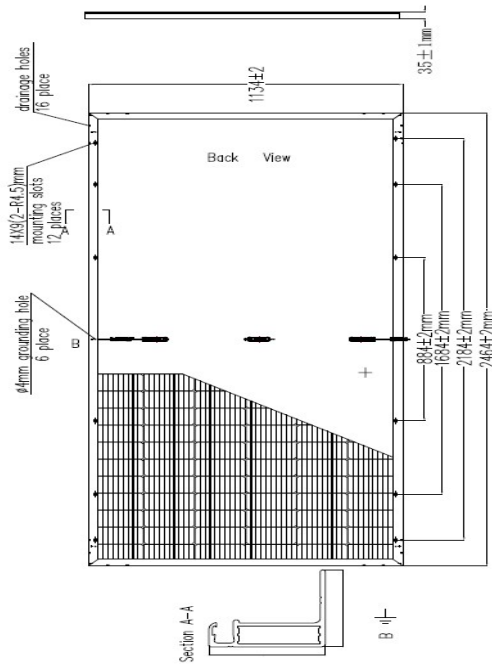


Solar power plants



Off-grid systems

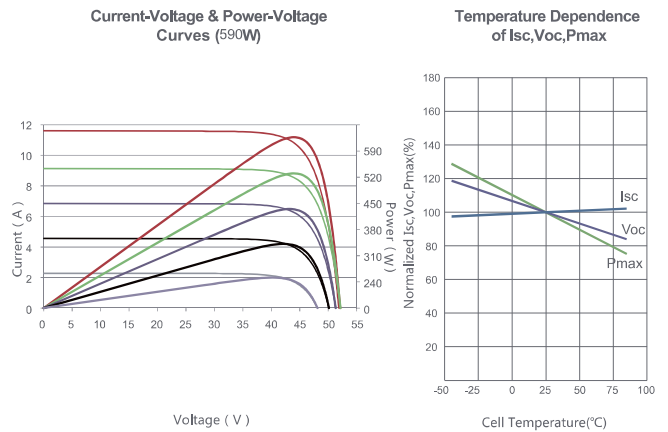
Engineering Drawings



Packaging Configuration

Standard packaging	30pcs/pallet
Module quantity per 20' container	300pcs/20GP
Module quantity per 40' container	690pcs/40HQ

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono-crystalline Perc (182*91mm)
No. of cells	156 (6*26)
Dimensions	2464×1134×35mm
Weight	30.5kg
Front Glass	Orion Technology, Low Iron, AR Coating Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TV 1×4.0mm / UL 12A WG, Length:400mm/1100mm

SPECIFICATIONS

Module Type	TKA585M-156	TKA590M-156	TKA595M-156
Maximum Power at STC(Pmax)	585Wp	590Wp	595Wp
Maximum Power Voltage (Vmp)	45.10V	45.20V	45.30V
Maximum Power Current (Imp)	12.97A	13.05A	13.14A
Open-circuit Voltage (Voc)	54.00V	54.10V	54.20V
Short-circuit Current (Isc)	13.56A	13.63A	13.70A
Module Efficiency(%)	20.94%	21.16%	21.29%
Operating Temperature(°C)		-40°C~+85°C	
Maximum system voltage		1500V DC	
Maximum series fuse rating		20A	
Power tolerance		±5%	
Temperature coefficients of Pmax		-0.35%/°C	
Temperature coefficients of Voc		-0.28%/°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

* Power measurement tolerance: + 5%

TENKA[®]
solar **GROUP GmbH**

The company reserves the final right for explanation on any of the information presented hereby.