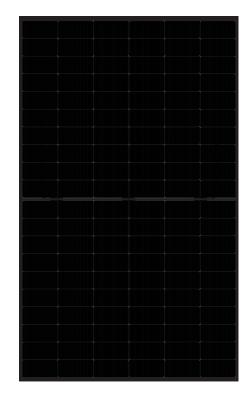


NORDIKA SERIES <u>465</u>W/490W

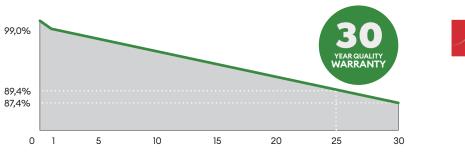
NT5 N-Type Bifacial Ultra Black





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LINEAR PERFORMANCE WARRANTY



PERFORMANCE INSURANCE



ABOUT OMNIS POWER

Omnis Power was founded in 2010 by a group of entrepreneurs with experience in the energy sector and a common idea: to innovate the renewable energy sector. Arising from several spin-offs of leading companies in the industry, Omnis Power is at the forefront of new technology research and competitive product development.

Today, Omnis Power is a European company with international experience that believes and invests in Europe. The increasingly strong group already has offices in Italy, Lithuania, Estonia, Germany and Norway in addition to numerous partners around the world.



ELECTRIC CHARACTERISTICS

NT5 N-TYPE 465/490 W BF

Model of modules	OP465M60-NT5-BF		OP470M60-NT5-BF		OP475M60-NT5-BF		OP480M60-NT5-BF		OP490M60-NT5-BF	
	STC	NOCT								
${\rm Maximum\ power}-{\rm P}_{\rm mp}({\rm W})$	465	350	470	354	475	358	480	362	490	366
Open-circuit voltage — V_{oc} (V)	42.38	39.90	42.52	40.10	42.66	40.20	42.80	40.40	43.06	40.30
Short-circuit current $- I_{sc}(A)$	14.03	11.31	14.12	11.38	14.20	11.44	14.29	11.52	14.47	11.66
Maximum power voltage $- V_{mp}(V)$	34.99	32.90	35.11	33.00	35.24	33.20	35.38	33.30	35.66	33.30
${\rm Maximum\ power\ current-I}_{\rm mp}{\rm (A)}$	13.29	11.31	13.39	10.71	13.48	10.77	13.57	10.86	13.75	11.00
Module efficiency $-\eta_m$ (%)	21.47		21.70		21.93		22.16		22.62	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C , Spectra at AM1.5, Flash test tolerance +-5% NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 13.5% IRRADIANCE RATIO)

Peak Power (Pmax) (W)	534.75	540.5	546.25	552	563.5
Open Circuit Voltage (V_{oc}) (V)	42.38	42.52	42.66	42.80	43.06
Short Circuit Current (I_{sc}) (A)	16.13	16.24	16.33	16.43	16.64
Maximum power voltage — $V_{mp}(V)$	34.99	35.11	35.24	35.38	35.66
Maximum power current — I_{mp} (A)	15.28	15.39	15.50	15.60	15.80

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	1910 x 1134 x 35 mm
Weight	26kg
Cell	120 cells, N-type Monocrystalline 182x91 mm
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4.0 mm ²
Wire length	300mm/1100mm/customized
Connector	MC4 compatible
Packing Specification	31 pcs/Pallet; 744 pcs/40'HQ

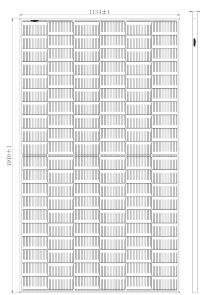
OPERATING PARAMETERS

Power tolerance (W)	(0,+5)		
Maximum system voltage (V)	1500		
Maximum rated fuse current (A)	30		
Current operating temperature (°C)	-40~+85 °C		
Mechanical load	5400 Pa / 2400 Pa		

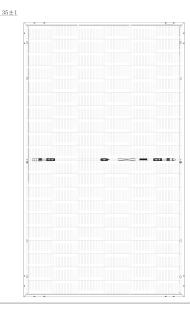
TEMPERATURE RATINGS

Temperature coefficient (P _{max})	-0.30 %/°C
Temperature coefficient (V_{oc})	-0.25 %/°C
Temperature coefficient (I_{sc})	+0.045 %/°C
Nominal operating cell temperature	45±2°C

MODULE DIMENSIONS (MM)



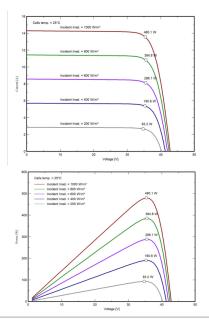
Omnispower



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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT @2023 Omnis Power Engineering SpA - All rights reserved. Specifications included in this datasheet are subject to change without notice.

Country of origin: China, Vietnam, Italy

