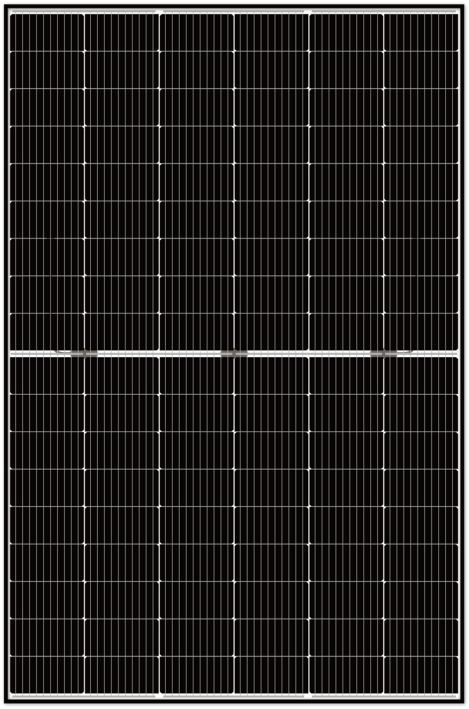
Omnispower
EUROPE

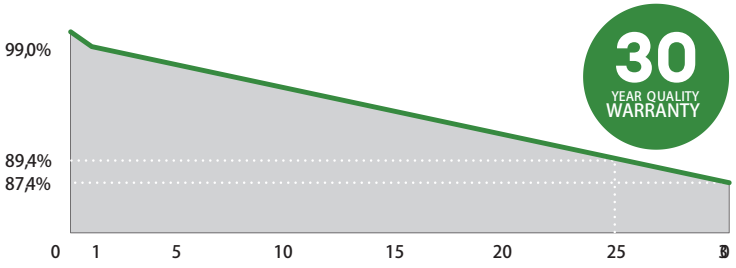
P5 PERC
Bifacial Ultra Black

NORDIKA SERIES
400W/415W



- Bifacial technology enables additional energy harvesting from rear side(up to 30%)
- Excellent low irradiance performance
- Betterlighttrapping and current collection to improve module power output and reliability
- Industry leading lowest thermal co-efficient of power
- Optimized electricaldesign and lower operating current for reduced hot spot loss and better temperature coefficient
- Certified to withstand: wind load (2400 Pa) and snow load(5400 Pa)
- 100% triple EL test enabling remarkable reduction of hidden crack rate of modules

LINEAR PERFORMANCE WARRANTY



PERFORMANCE INSURANCE

LLOYD'S
Underwriters

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.

Omnispower
EUROPE

ELECTRIC CHARACTERISTICS

P5 400/415 W BF

Model of modules	OP400M54-P5-BF		OP405M54-P5-BF		OP410M54-P5-BF		OP415M54-P5-BF	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (W)	400	298	405	302	410	306	415	310
Open-circuit voltage — V_{oc} (V)	37.18	35.10	37.33	35.24	37.68	35.57	37.79	35.67
Short-circuit current — I_{sc} (A)	13.39	10.82	13.44	10.86	13.59	10.98	13.72	11.08
Maximum power voltage — V_{mp} (V)	31.42	29.41	31.55	29.54	31.84	29.81	31.94	29.90
Maximum power current — I_{mp} (A)	12.74	10.14	12.84	10.22	12.88	10.25	13.01	10.35
Module efficiency — η_m (%)	20.48		20.74		21.00		21.25	

STC (Standard Testing Conditions): Irradiance 1000W/m^2, Cell Temperature 25 °C , Spectra at AM1.5
NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

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

Maximum power — P_{mp} (W)	438	443	449	455
Open-circuit voltage — V_{oc} (V)	37.18	37.33	37.68	37.79
Short-circuit current — I_{sc} (A)	14.66	14.71	14.87	15.02
Maximum power voltage — V_{mp} (V)	31.42	31.55	31.84	31.94
Maximum power current — I_{mp} (A)	13.94	14.05	14.10	14.24

STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	1722 x 1134 x 30 mm
Weight	24.2 kg
Cell	108 cells,PERC Monocrystalline 182x91 mm
Front glass	2.0mm, Anti-Reflection Coating
Back glass	2.0mm, Heat Strengthened Glass
Frame	Black anodized aluminum alloy
Junction box	IP68, 3 diodes
Output wire	4.0 mm^2
Wire length	300 mm / 1200 mm or Customized Length
Connector	MC4 Compatible
Packing Specification	36 pcs/Pallet; 936 pcs/40'HQ

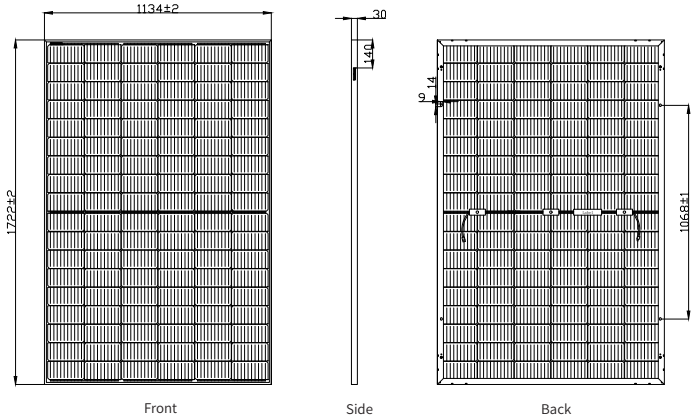
OPERATING PARAMETERS

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

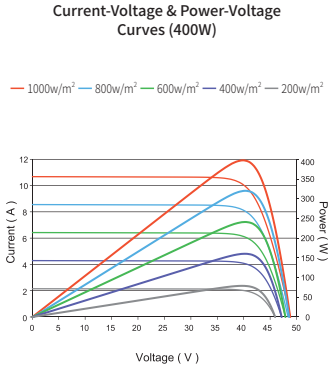
TEMPERATURE RATINGS

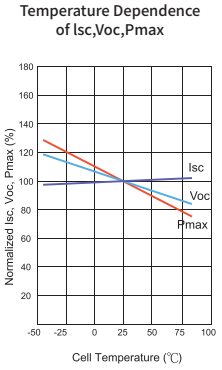
Temperature coefficient (P_{max})	-0.33 %/°C
Temperature coefficient (V_{oc})	-0.26 %/°C
Temperature coefficient (I_{sc})	+0.06 %/°C
Nominal operating cell temperature	43±2 °C

MODULE DIMENSIONS (MM)



* The unmarked tolerance is ±1 mm
Length shown in mm





Omnispower EUROPE

Factory: regione Merconsile, 1
13010 Guadabosone (Vercelli)
support@omnispower.it

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USINGTHE 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