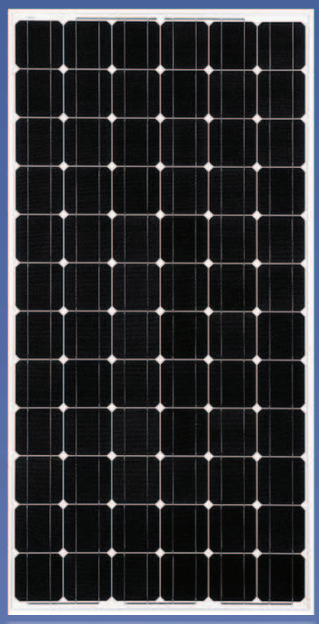
WNS 320 M72

Monocrystalline photovoltaic module



ISO 9001 ISO 14001 OHSAS 18001 GL Systems Certification

IEC 61215

Ammonia resistance certificate

Salt water mist resistance certificate

Fire resistance certificate

Electrical Data		WNS 320 M72
Maximum Power	P_{max}	320 Wp
Nominal Voltage	V_{mp}	36,92 V
Short circuit current	I_{sc}	9,18 A
Maximum power point current	I_{mp}	8,67 A
Open circuit voltage	V_{oc}	45,95 V
Module efficiency	%	16,50%
Performance Tolerance	P (Wp)	0Wp... + 5Wp
Nr of cells		72 pcs
Cells		Monocrystalline Si

Limit values		
Maximum system voltage SCII	(V_{dc})	1000 V_{dc}
Maximum reverse current	(A)	15 A
NOCT (800 W/m², 20°C, AM 1.5, 1 m/s)	(°C)	+43°C +/-2°C

Thermal characteristics		
Voltage	V_{oc}	-0,32% / °C
Current	I_{sc}	+0,03% / °C
Output	P_{mp}	-0,39% / °C
Load/dynamic load	Pa	5400 Pa
Number of bypass diodes	N.	3
Operating range	N.	-40°C a +85°C

Physical Characteristics		
Dimensions (L x W x H)	(mm)	1960 x 992 x 38 mm
Weight	(Kg totali)	25 Kg
Junction Box		Protection degree IP67 - 3 bypass diodes - MC4 connector compatible
Cables		Conductor section 4 mm², length 1 m (MC4)

Irradiance Dependence		1000 W/m²	800 W/m²	600 W/m²	400 W/m²
	I_{sc}	0 %	-19,6 %	-39,5 %	-59,2 %
	V_{oc}	0 %	-1,38 %	-3,05 %	-5,9 %

General data	
Frontside	Low-reflection 3,2 mm tempered glass
Frame	38 mm silver anodized alluminium frame
Cells	72 monocrystalline high efficiency cells 156 mm x 156 mm (6")
Elements	Made in EU elements (glass, frame, cables...)