



BEXIE GROUP

EX500-520TC(B)-120(HC)(182R)BF

N-TYPE ABC

500W-520w Dual-Glass Module

520W

Maximum Power Output

24.8%

Maximum Module Efficiency

0~+3%

Maximum Power Output

12 - bypass diodes

Self Optimising Cells Module Efficiency



 Partial Shading Optimisation

 Better Temperature Coefficient

 Higher Power

 High Temperature Restriction

 Lower BOS

 More Aesthetic Values

Warranty | Garantía

25

Years | Años
Product
Producto

30

Years | Años
Linear power
Rendimiento lineal

CERTIFIED
IEC
61730 Ed.1

CERTIFIED
IEC
61215 Ed.2

 Anti-PD
System voltage durability
PPP 56042



HEAD OFFICE: C/ SAN FRANCISCO, 5 – 5. 33003. OVIEDO
PHONE: +34 984 033 709 WWW.EXIOMSOLUTION.COM

Especificaciones sujetas a cambios técnicos y pruebas.
Exiom Solution se reserva el derecho de la correcta interpretación final.
Specifications subject to technical changes and tests.
Exiom Solution reserves the right of final interpretation.

Electrical Characteristics (STC: AM1.5 1000W/m² 25°C NOCT: AM1.5 800W/m² 20°C 1m/s) Power Tolerance: 0 - ± 3%

Module Type	EX500TC(B) -120(HC)(182R)BF		EX505TC(B) -120(HC)(182R)BF		EX510TC(B) -120(HC)(182R)BF		EX515TC(B) -120(HC)(182R)BF		EX520TC(B) -120(HC)(182R)BF	
Test Conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
P _{max} [W]	500	379	505	383	510	386	515	390	520	394
V _{oc} [V]	45.02	42.71	45.12	42.80	45.22	42.90	45.32	42.99	45.42	43.09
V _{mp} [V]	37.90	35.96	38.00	36.05	38.10	36.15	38.20	36.24	38.30	36.34
I _{sc} [A]	14.05	11.35	14.11	11.40	14.17	11.45	14.23	11.49	14.29	11.54
I _{mp} [A]	13.21	10.55	13.30	10.63	13.39	10.70	13.49	10.78	13.58	10.86
Module Efficiency	23.6%		23.8%		24.0%		24.2%		24.8%	

Product Specification

Cell Type	N-Type ABC
Glass	Dual glass, 2.0 + 2.0mm coated semi tempered glass
Frame	Black Anodized aluminum
Cable	4mm ² (IEC) 12AWG(UL) ±1200mm
No. of Cells	120(6*20)
Junction Box	IP68, 3 bypass diodes
Connector	MC4-Evo2
Weight	27.2Kg±3%
Dimension	1954*1134*30mm
Package Detail	37pcs per pallet / 185pcs per 20'GP / 888pcs per 40'HC

Temperature Ratings (STC)

Temperature Coefficient of I _{sc}	+ 0.05%/ °C
Temperature Coefficient of V _{oc}	- 0.22%/ °C
Temperature Coefficient of P _{max}	- 0.26%/ °C

Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	25A
Protection Class	Class II
V _{oc} and I _{sc} Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	25 mm diameter hail at 23 m/s
Fire Rating	IEC Class A

30-year Linear Performance Warranty

