



HALF-CELL BIFACIAL MOD₁ LE

TYPE: P - B72/P +

POWER OUTPUT

435-455

MAX EFFICIENCY

20.9%

Features



High efficiency
 Maximum power output of 435-455Wp
 Maximum efficiency of 20.9%

Low temperature coefficient
 Low temperature coefficient of maximum power



2% improvement
 Maximum power output of 435-455Wp
 Maximum efficiency of 20.9%

Equivalent to 2% improvement
 Maximum power output of 435-455Wp
 Maximum efficiency of 20.9%*



Excellent low light performance
 Maximum power output of 435-455Wp
 Maximum efficiency of 20.9%



Excellent performance in harsh environment
 Maximum power output of 435-455Wp
 Maximum efficiency of 20.9%

1. Maximum power output of 435-455Wp

2. Maximum efficiency of 20.9%

3. Maximum power output of 435-455Wp
 Maximum efficiency of 20.9%

4. Maximum power output of 435-455Wp

5. Maximum efficiency of 20.9%

Q ₁₀ C ₁₀	4.0 mm ² , (-) 350 mm (+) 160 mm
J ₁₀ B	IP68 (31 °C)
Q ₁₀ M ₁₀ m ₁₀	-40 °C +85 °C
M ₁₀ m ₁₀ m ₁₀	1500, DC (IEC)
M ₁₀ m ₁₀ F ₁₀	20 A
P ₁₀	0/+5
B ₁₀ F ₁₀	(70 ± 5)%

P ₁₀ C ₁₀	P ₁₀ (mm): 2125 1130 1205 36 P 180 P / 20' GP 792 P / 40' HC
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E₁₀ C₁₀

M ₁₀ P ₁₀ C ₁₀	P ₁₀ -B72/P +	P ₁₀ -B72/P +	P ₁₀ -B72/P +
	C	NMQ	C
M ₁₀ m ₁₀ P ₁₀ (Pm / °)	455	343.1	450
Q ₁₀ m ₁₀ Q ₁₀ (m / °)	41.6	38.4	41.4
Q ₁₀ m ₁₀ Q ₁₀ C ₁₀ (Im / A)	10.94	8.94	10.87
Q ₁₀ C ₁₀ (/ °)	49.4	46.3	49.2
C ₁₀ C ₁₀ (I / A)	11.67	9.42	11.61
M ₁₀ E ₁₀ (%)	20.9		20.6

C₁₀ = 1000 /m², m₁₀ = 25 °C, AM=1.5; NMQ: I₁₀ = 800 /m², m₁₀ = 20 °C, AM=1.5, I₁₀ = 1 m² / Pm

D₁₀ P₁₀ G₁₀

P ₁₀ G ₁₀	5%	15%	25%
M ₁₀ m ₁₀ P ₁₀ C ₁₀ (Pm / °)	467.3	511.8	556.3
Q ₁₀ m ₁₀ Q ₁₀ (m / °)	41.2	41.2	41.3
Q ₁₀ m ₁₀ Q ₁₀ C ₁₀ (Im / A)	11.35	12.43	13.51
Q ₁₀ C ₁₀ (/ °)	49.0	49.0	49.1
C ₁₀ C ₁₀ (I / A)	12.12	13.27	14.43
M ₁₀ E ₁₀ (%)	21.4	23.5	25.5

m₁₀ C₁₀

N ₁₀ m ₁₀ M ₁₀ Q ₁₀ (NMQ)	42 ± 2 °C
m ₁₀ C ₁₀ Pm	-0.36% / °C
m ₁₀ C ₁₀	-0.304% / °C
m ₁₀ C ₁₀ I	0.050% / °C

I₁₀ m₁₀ = 1000 /m², m₁₀ = 25 °C, AM=1.5; NMQ: I₁₀ = 800 /m², m₁₀ = 20 °C, AM=1.5, I₁₀ = 1 m² / Pm