

ZM9097 Technical data

Design and Mechanical data

NOMINAL POWER	Pncm	80 WP
nominal maximum output voltage	Umpp	17.6V
nominal maximum output current	Impp	4.55A
Open-circuit voltage	Upc	21.8V
Short-circuit current	I	5.23A

Dimensions (tolerance +4/-1mm)	1210X540
Thickness (tolerances ±1mm )	28MM
weight: 8.2 kgs	
PACKING	<u>2 PCS/CTN</u>
SIZE:	<u>124*13*62.5cm</u>

Characteristic data	
solar cells per module	
type of solar cells	Mono crystalline 125mmx125mm
Connection	connection box with bypass diodes 90cm leading cable length of poles (-) 1.1m, (+)1.4m

Temperature		
Power	Tk (Pn)	- 0.47%/°C
Open-circuit voltage	Tk (Upc)	- 0.38%/°C
Short-circuit current	Tk (I)	+ 0.10%/°C

Limits	
MAX SYSTEM VOLTAGE	1000Voc
OPENING MODULE TEMPERATURE	- 40 .....+ 90°C
MAX LOAD	5400N/M2
Tolerance	±5%
Note:	all the panels should be black background and black alluminum frame
cell efficiency:	15-16%
Module efficiency:	14.5-15.8%