

ZM9093 Technical data

Design and Mechanical data

NOMINAL POWER	Pncm	10	WP
nominal maximum output voltage	Umpp	17V	
nominal maximum output current	Impp	0.59A	
Open-circuit voltage	Upc	21.5V	
Short-circuit current	I	0.68A	

Dimensions (tolerance +4/-1mm)	396X289
Thickness (tolerances ±1mm)	23MM
weight:	1.40 kgs

Characteristic data	
solar cells per module	
type of solar cells	Mono crystalline 125mmx125mm
Connection	connection box with bypass diodes 50cm 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%