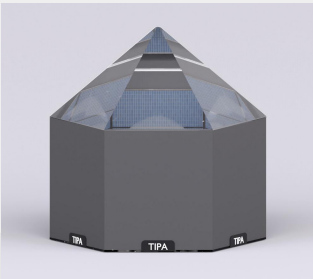


TIPA Horizontal or TIPA H

This is a six sided hexagonal PV device. It currently comes in two sizes using either M10 or M12 Monocrystalline cells of 22.3% efficiency with 10 and 12 bus bars respectively. TIPA H is designed to be installed horizontally in TIPA racks. TIPA H can have 3 times as much installed PV silicon in a given area. TIPA H devices are mirrored and reflect light internally with light entering via a Fresnel or refractive lens.

TIPA H M10

Body: Full Mirrored
Dome: Clear



Dimensions (mm)		Area (mSq)	Weight (kg)
Height	Width		
406	410	0.11	1.5



Material of Construction :

Dome & Body – Polycarbonate PC Coated with reflective material
Bottom Cap – Polycarbonate PC
Internal Mirror – Reflective PVC



Operating Temperature :

-52°C to 100°C



Operating Pressure :

0.7 Atm with internal Inert Argon



Power Output :

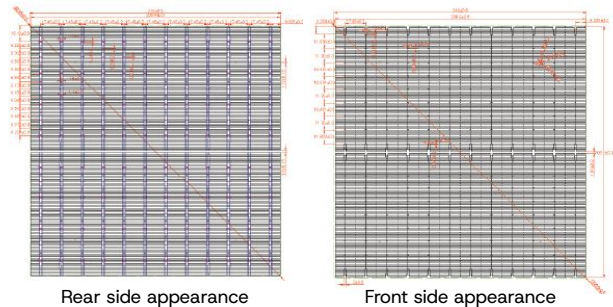
45 Wp

Solar Cell Configuration and Specification

M10 Small Cut Mono Cells

Dimensions : 182mm x 30mm

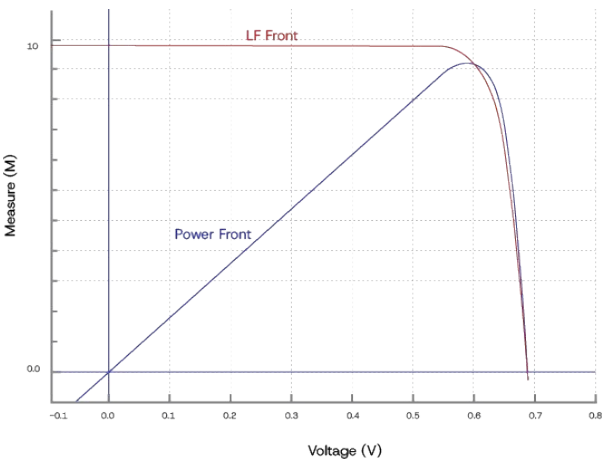
Configuration : 6 Series x 6 Parallel (36 cut Cells)



Electrical Parameters

Parameters	Value	Units
Voc	4.062	V
Isc	13.695	A
Vmpp	3.462	V
Impp	13.046	A
Power Output	45	Wp

IV - Curve



Temperature Coefficients

TkVoltage	-0.36%/K
TkCurrent	+0.07%/K
TkPower	-0.38%/K