



## TIPA Vertical or TIPA V

The current products are designed to be installed vertically either on specifically designed TIPA poles or retrofitted onto any pole with specially designed TIPA clamps. Clamp designs are determined by the retrofit pole construction. Most poles are made of steel but some are rebar concrete moulded poles. The clamp design is therefore designed around regional variations. The TIPA holding system is universal. The pole clamp is bespoke sometimes. TIPA V devices are bifacial and allow light through the sides and the top lens.

TIPA V M12 Body: Clear

Dome: Clear



Dimensions (mm)			
Height	Width	Area (mSq)	Weight (kg)
418	470	0.14	1.7

Expected PF to exceed 25% compared to flat panels



#### Material of Construction :

Dome and Body – Polycarbonate PC 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 : 61 Wp

#### Solar Cell Configuration and Specification

M12 Small Cut Mono Cells Dimensions : 210mm x 35mm Configuration : 6 Series x 6 Parallel (36 cut Cells)



#### **Electrical Parameters**

Parameters	Value	Units
Voc	4.08	V
lsc	18	А
Vmpp	3.5	V
Impp	17	А
Power Output	61	Wp



# 0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 Voltage (V)

### **Temperature Coefficients**

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