



RENEWABLE ENERGY

Solutions for grid-connected systems



PHOTOVOLTAIC PANELS UFLEX

UFX430MM-T-M10



Junction box

Class of protection: IP68
Safety level: class II
Maximum system voltage: 1500V
Withstands the harshest environments

Frame

Great mechanical strength
Resistant up to 5400Pa
Available with an anodic oxidation layer resistant to chemical corrosion

Cell Size

182mm x 91mm

Resistance against extreme environmental conditions

Resistant against ammonia and salt spray

SMBB Tecnology

Improved light capture and current collection for better power output and reliability

Improved mechanical strength

Certified to withstand: wind load (2400Pa) and snow load (5400Pa)

PID resistance

Excellent Anti-PID performance ensured by mass production process and material control

Available on request sizes from 410 to 700 Wp

UFXxxxMM-T-M10 (xxx= 410-620)

UFXxxxMM-P-G12 (xxx=490-670)

UFXxxxMM-T-G12 (xxx=510-700)

ELECTRIC DATA (STC)

MODEL	UFX430MM-T-M10
Peak Power (Pmax)	430.00
Optimal Operating Voltage (Vmp)	31.88
Optimal Operating Power (Imp)	13.49
Open Circuit Voltage (Voc)	38.49 ± 3%
Short-Circuit Current (Isc)	14.23 ± 3%
Module efficiency	22.02

*STC: irradiated: 1000W/m²; AM 1.5; cell temperature of 25°C

ELECTRIC DATA (NMOT)

Peak Power (Pmax)	323.00
Optimal Operating Voltage (Vmp)	29.63
Optimal Operating Power (Imp)	10.91
Open Circuit Voltage (Voc)	36.56 ± 3%
Short-Circuit Current (Isc)	11.49 ± 3%

*NMOT: irradiated: 800W/m²; AM1.5; ambient temperature 20°C; wind speed 1 m/s

TEMPERATURE AND MAXIMUM VALUES

Maximum System Voltage (V)	1500V
Maximum Capacity of Series Fuses (A)	25V
Peak Power Tolerance	0 ~ +3W
Temperature Coefficient Pmax (W/°C)	-0.300%/°C
Temperature Coefficient Voc (V/°C)	-0.250%/°C
NMOT Nominal Operating Temperature of the Module (°C)	45 ± 2°C
Operating and Storage Temperature (°C)	-40 ~+85°C

MECHANICAL FEATURES

Cell Type	182*91 N Type Mono
Number of Cells	108 (12*9)
Dimension	1722*1134*30 mm
Weight	21,50 Kg
Front Glass	3.2 mm high transmission, low iron content, tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 3 diodes
Output cable	4 mm ² cable 140cm (MC4 connectors included)
Maximum Wind/Snow Load	2400Pa / 5400Pa

PACKAGING

20FT container	6 pallets/222pz
40HQ container	26 pallets/962pz



Via Milite Ignoto 8A
16012 Busalla (Genova) Italy
+39 010 96201
service@ultraflexgroup.it
www.uflexenergia.it

