

TransCaribbean Energy Control

Mobile Green Energy Generator



F150 • mobile solar PV generator

The TransCaribbean Energy Control Mobile Green Energy Generator (TCEC MGEG) is a ready to use mobile solar generator able to guarantee up to 4KW power supply. Designed to provide electricity in all areas of the globe not covered by a distribution grid and for all uses that require being able to move their energy source, TCEC MGEG can work even in the absence of sunshine offering the advantages of compactness, low noise, no fumes and fuel costs. The batteries contained in the base of only 1m3 are recharged by the photovoltaic generator which, with its surface of 9m2, develops a power of 1,4kW. Free yourself from rising energy costs, take the energy you need where ever you go, Help clean up the environment.

TCEC
MGEG

SPACE REQUIRED

Dimensions (closed)	1,27 x 1,27 x 1,20 m
Dimensions (opened)	3,13 x 2,57 x 2,28 m
Max. Weight	500 Kg
Surface of the PV Sail	9 m ²

INVERTER

Inverter Power	2/3/4 KWp
Voltage Inverter (V)	110/220
Frequency (Hz)	50/60

BATTERIES

Capacity (Ah)	200/220/245/400
Voltage (V)	6/12
Maximum system voltage(V)	24/48
Typologie	AGM/GEL

PV MODULES

Typologie	Polii/Mono cristalline silicon
Quantity	9 (1x1 m)
Power(kW)	1,3/1,35/1,4



NO INSTALLATION REQUIRED. The iKube is ready to use in seconds !

AUTONOMY OF THE BATTERY PACK



Power (W) Remaining hours

100 174

500 24

1000 10

1500 6

2000 4

2500 3

3000 2,5

The following chart gives a clear indication of how many working hours are remaining, depending on the power load connected to the iKube in the total absence of sunlight (the values refer to the battery pack of 245 Aha 48V)

DAILY PRODUCTION (kWh)



MONTH	Roma	Beirut	Cairo	Addis Abeba
January	3,90	4,22	6,15	8,48
February	5,08	5,14	6,52	8,34
Mars	6,12	6,53	7,70	7,91
April	6,82	7,46	7,64	7,23
May	7,44	7,70	7,85	7,18
June	7,74	8,41	7,98	6,65
July	8,20	8,45	7,98	5,79
August	7,89	8,24	8,04	5,87
September	6,82	7,71	7,89	7,08
October	5,49	6,35	7,32	8,50
November	4,19	4,98	6,48	8,90
December	3,67	3,99	6,53	8,65
Yearly Average	6,12	6,61	7,35	7,54

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