

«NET METERING IN GREECE»

“South East Europe Workshop on Grid Integration of Variable Renewable Energy Sources”



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HEDNO

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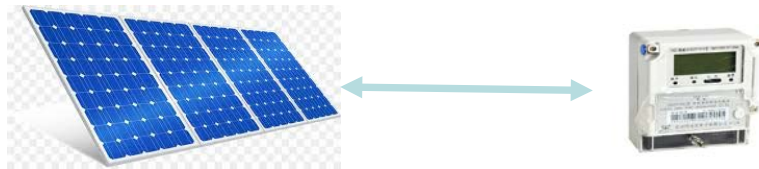
Started with Ministerial at 04.2009 :(Official Gazette B' B'1079/04.06.2009):

- **PVs Should be installed on the roof of the premises**
- **No self consumption from the production**
- **Contract with the supplier**
- **Remuneration for the net injected energy (Injected- Absorbed)**
- **Price was according to Ministerial decision.**
- **Reduced price for remuneration from 2013 and on**
- **No interest after new prices**
- **End of program 31/12/2019**

Latest Ministerial Decision 175067/19.04.2017:(Official Gazette B' 1547/05/05/2017):

Two possibilities

Net metering: PVs Should be installed in the same or next to the premise in which the consumption takes place



No
remuneration
for injection

Virtual Net metering: PVs could be installed in different premises from **those** of the consumption. Terms under those restrictions:

In the mainland should be in the same Regional Department (No4)

In the island should be in the same Isolated System (aprox 38 systems)

Both production & consumption should be in the same voltage level



No
remuneration
for injection



Interconnected system

Net metering: 20kWp **OR** up to 50% of the contracted capacity if this value is greater than the 20kWp

Power of PVs (kWp) $\leq 0,5 \times$ contracted capacity.(KVA)

For Public interested parties (schools, universities etc) the % could be up to 100%

Virtual Net metering: 20kWp **OR** up to 50% of the **sum** contracted capacities if this value is greater than the 20kWp

Power of PVs (kWp) $\leq 0,5 \times$ **SUM** of the contracted capacities (KVA)

For public interested parties (schools, universities etc) the % could be up to 100%

In any case: PV capacity ≤ 500 kWp



Non-interconnected islands

Net metering: 10kWp and 20kWp in Crete island or up to 50% of the contracted capacity if this value is greater than the 10 or 20kWp

Power of PVs (kWp) $\leq 0,5 \times$ contracted consumption power.

For public interested parties (schools, universities etc) the % could be up to 100%

Virtual Net metering: 10kWp and 20kWp in Crete or up to 50% of the **sum** contracted capacities if this value is greater than the 10 or 20kWp

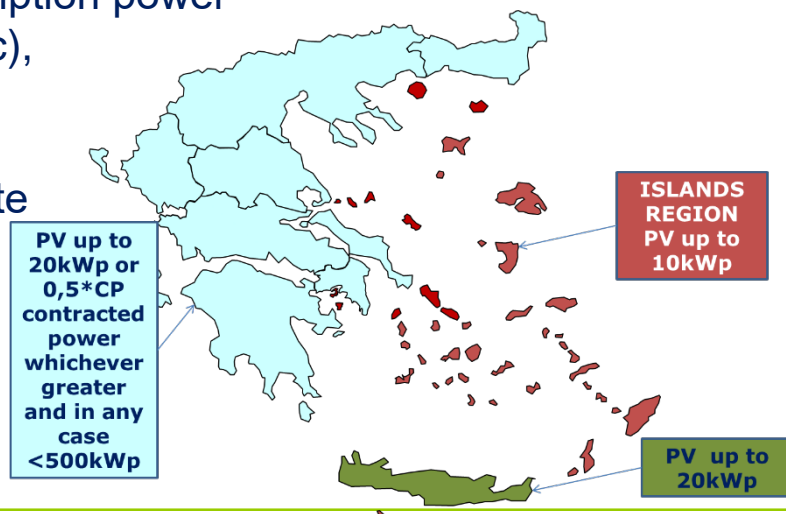
Power of PVs (kWp) $\leq 0,5 \times$ SUM contracted consumption power

For public interested parties (schools, universities etc), the % could be up to 100%

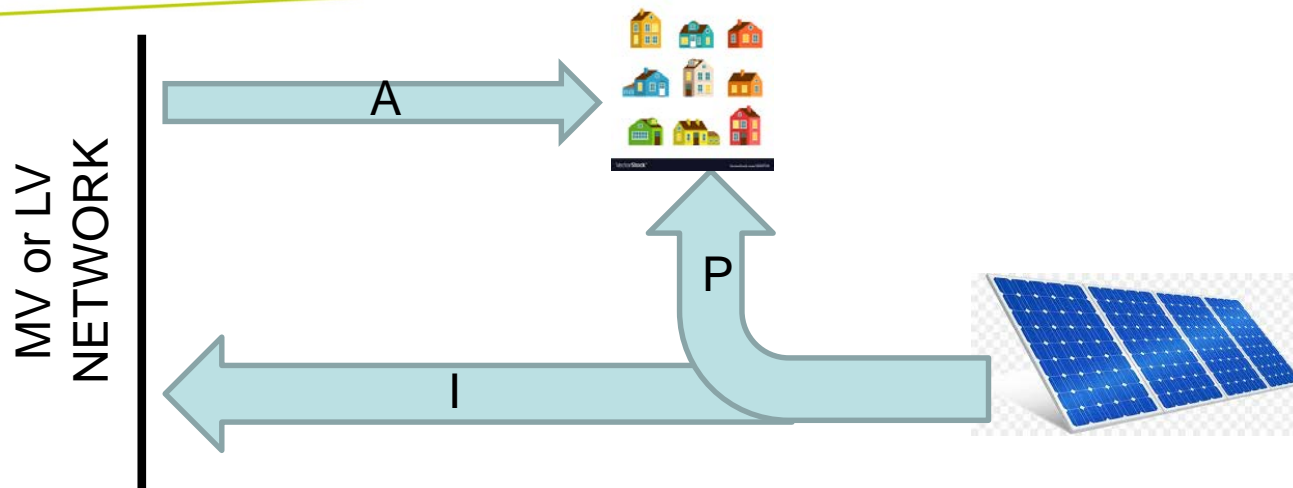
In any case: PV capacity ≤ 20 kWp & 50kWp for Crete

For public interested parties

PV ≤ 100 kWp & 300kWp for Crete



A: Absorbed
I: injected
P: Produced



Energy Charge:
on net energy **(A- I)**

If >0 charged for $N \cdot \text{€cents/kWh}$
If < 0 the energy surplus is **credited** in the next bill, as additionally injected energy.

➤ **Public Service Obligations:**
Net metering: on total consumption **(A+P-I)**
Virtual Net metering: on total consumption **(A+P-I)** if the facility is connected with the PV & for the rest on Absorbed **(A)**

➤ **DNO & TSO Charges, RES support levy, Other charges:** on absorbed energy **(A)**



- **Who can participate**
 - ✓ **Net metering:** Individuals, Legal entities public or private
 - ✓ **Virtual Net metering:** Legal entities public or private & Farmers

- **Use of Land:** Could be the owner or tenant with written permission from the owner

- **Responsible party for the clearance:** Energy Supplier

- **Metering data provider:** HEDNO (DNO)

- **Clearance period:** After the PV connection, every three years, any energy surplus (negative remainder in the bill) is set to zero (it is not credited in the next bill and there is no obligation for compensation to the owner).

- **Duration if the Contracts:** 25 years.

➤ **Interconnected system (data 08/2018)**

LV: 883 connections, 11,98 MW

MV: 29 connections, 3,62 MW

Total installed capacity \approx 18 GW

RES installed capacity \approx 5,2 GW

➤ **Non interconnected island**

LV: 263 connections, 3,3 MW

Thank you for your attention

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