



EnergyCloud

WHY HOME BATTERIES?



REDUCES
COST



ENERGY
INDEPENDENCE



CLEAN
**ENVIRONMENT
-FRIENDLY SOLUTION**

UP-TO-DATE ENERGY CONSUMPTION SOLUTION FOR PASSIVES HOUSE

ENDLESS SOURCE OF POWER FOR YOUR HOUSE.

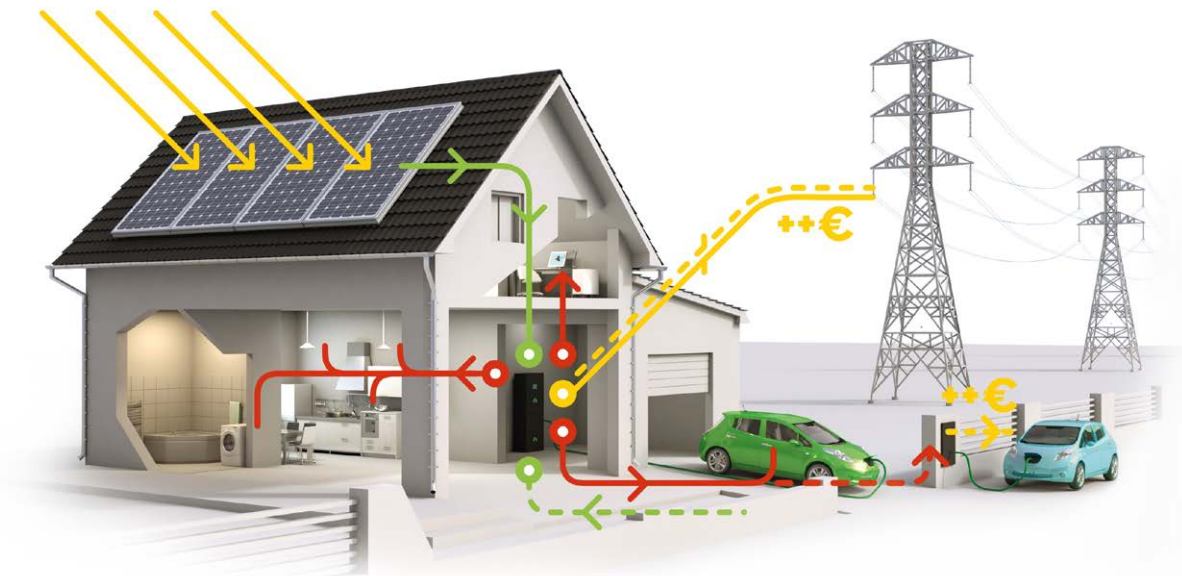
Solar panel + battery





HOW DO ENERGYCLOUD HOME BATTERIES WORK?

- 1 The solar panels on the roof of the house generate free power for the household.
- 2 Generate power is partly consumed, while the rest is stored in the home battery. Home appliances always use the solar energy from its own source.
- 3 If the roof solar power station does not generate enough power, the power from the public mains is used.
- 4 The household power system can also include a fast electric vehicle charger. The battery in your electric vehicle can be charged by solar energy.



TECHNICAL DATA

	1-phase	3-phase
Capacity	7,7-38 kWh	
Manufacturing type	Steel plate, steam-tight cabinet (IP54)	
Weight	245 - 790 kg according to capacity	260 - 805kg according to capacity
Connection to the electricity network (1f/3f green)	230V/50Hz; L+N+PE (TN-S) / L+PEN (TN-C)	3x400V/50Hz; 3xL+N+PE (TN-S) / 3xL+PEN (TN-C)
Accumulator voltage - rated, working range	384V=, 330-440V=	
Type of operation with regard to the network	"in the network / island solution (automatically in case of a blackout) or in the network with zero overflow into the network ("microgenerators") according to the settings made during installation and the customer's requirements"	
Accumulator service life	Min. estimate: 10 000 cycles	
Number of solar inverters installed	1 or 2	
Solar inverter voltage input (MPPT)	100-300V= (min.4 solar panels in series)	
Solar inverter rated capacity (MPPT)	5kW	
Max. uinlet current of solar inverter (MPPT)	16,7A	
Accumulator type	LiFePo4	
Temperature - working range	0-45°C, optimum 2-25°C	
Relative humidity and its working range	<95%, non-condensing	
Compliance with standards	ČSN EN 62109-1, ČSN EN 62109-2 a ČSN EN 50438	
External interface (for diagnostics, remote control)	RS485, 3xGPI, 3xGPO, Ethernet, Wi-Fi*, GSM* (*Optional, using external equipment)	
Noise	Under 40dB - standard type solution, max. 52dB	

PRODUCT LINE

Name	Phase	kWh capacity	kW output	Overload capacity: 15 minutes	Size (W x H x D)	Weight
EnergyCloud HOME 8	1 fáze	7,68 kWh	1 x 3,6 kVA	1 x 5,4 kVA	800 mm 1300 mm 350 mm	245 kg
EnergyCloud HOME 15		15,36 kWh			800 mm 1903 mm 350mm	380 kg
EnergyCloud HOME 23		23,04 kWh			1600 mm 1300mm 350mm	520 kg
EnergyCloud HOME 38		38,40 kWh			1600 mm 1903mm 350mm	790 kg
EnergyCloud 3f HOME 8*	3 fáze	7,68 kWh	3x 3,6 kVA (10.8 kVA)	3x 5,4 kVA (16.2 kVA)	800 mm 1300 mm 350 mm	260 kg
EnergyCloud 3f HOME 15		15,36 kWh			800 mm 1903 mm 350mm	395 kg
EnergyCloud 3f HOME 23		23,04 kWh			1600 mm 1300mm 350mm	535 kg
EnergyCloud 3f HOME 38		38,40 kWh			1600 mm 1903mm 350mm	805 kg

* Considering the load and life of the accumulator equipment, this configuration is recommended: 3f inverters and 15 kWh accumulator capacity installed

Storing electricity makes sense.

