

Ston

GARZI AOT

e n e r g y t a k e s h a p e

atonstorage.com



ATON
GREEN STORAGE + 

Technical Data

STON	2K	3K	4K	6K	ENVIRONMENT	2K	3K	4K	6K
INPUT DC (PV SIDE)					Storage temperature	-20°C ÷ +60°C	-20°C ÷ +60°C	-20°C ÷ +60°C	-20°C ÷ +60°C
Number of independent string	1	1	2	2	Operating temperature	0°C ÷ +45°C	0°C ÷ +45°C	0°C ÷ +45°C	0°C ÷ +45°C
Max power from PVs to the battery	2 kW	3 kW	4kW (2 kW per string)	6kW (3 kW per string)	Humidity non condensing	0% ÷ 95%	0% ÷ 95%	0% ÷ 95%	0% ÷ 95%
Max input voltage	580 Vdc	580 Vdc	580 Vdc	580 Vdc	COMMUNICATION INTERFACES				
Max input working voltage	450 Vdc	450 Vdc	450 Vdc	450 Vdc	GPRS (standard)	2G Dual band	2G Dual band	2G Dual band	2G Dual band
Min input working voltage ⁽¹⁾	150 Vdc	150 Vdc	150 Vdc	150 Vdc	WiFi (optional)	2.4 GHz IEEE Std.802.11 b/g	2.4 GHz IEEE Std.802.11 b/g	2.4 GHz IEEE Std.802.11 b/g	2.4 GHz IEEE Std.802.11 b/g
Max input current per string	16A	16A	16A	16A	Wireless home automation (optional)	EnOcean 868 MHz	EnOcean 868 MHz	EnOcean 868 MHz	EnOcean 868 MHz
OUTPUT DC (INVERTER SIDE)					EFFICIENCY				
Max power from battery to the Inverter	2 kW	3 kW	4kW (2 kW per string)	6kW (3 kW per string)	Typical conversion efficiency	92%	92%	92%	92%
Max output voltage	580 Vdc	580 Vdc	580 Vdc	580 Vdc	SIZE AND WEIGHT				
Max output working voltage	450 Vdc	450 Vdc	450 Vdc	450 Vdc	WxHxD (cm)	55x148x55	65x140x55	65x140x55	65x140x55
Max output current per string	16A	16A	16A	16A	kg (!)	115	140	155	180
BATTERY					CERTIFICATIONS				
Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	CE	Yes	Yes	Yes	Yes
Nominal voltage	48 Vdc	48 Vdc	48 Vdc	48 Vdc	CEI 0-21	Yes	Yes	Yes	Yes
Storable energy ^(*)	2.4 kWh	4.8 kWh	4.8 kWh	7.2 kWh	WARRANTY (o)	Electronic and structural work / Batteries — 7 years			
Usable energy	1.92 kWh	3.84 kWh	3.84 kWh	5.76 kWh					
DoD	80%	80%	80%	80%					
Number of working cycles min (25°C)	4,000	4,000	4,000	4,000					
SAFETY AND PROTECTION									
IP grade	IP20	IP20	IP20	IP20					
Overload protection	Yes	Yes	Yes	Yes					
Overtemperature protection	Yes	Yes	Yes	Yes					
Battery protection	Fuse	Fuse	Fuse	Fuse					
Insulation class	I	I	I	I					
Overvoltage category (PV - Ground)	OVC II	OVC II	OVC II	OVC II					



Legend:

(¹) converted power per string derated below 280 Vdc

(^{*}) options for battery: 4.8kWh, 7.2kWh, 9.6kWh, 12kWh, 14.4kWh

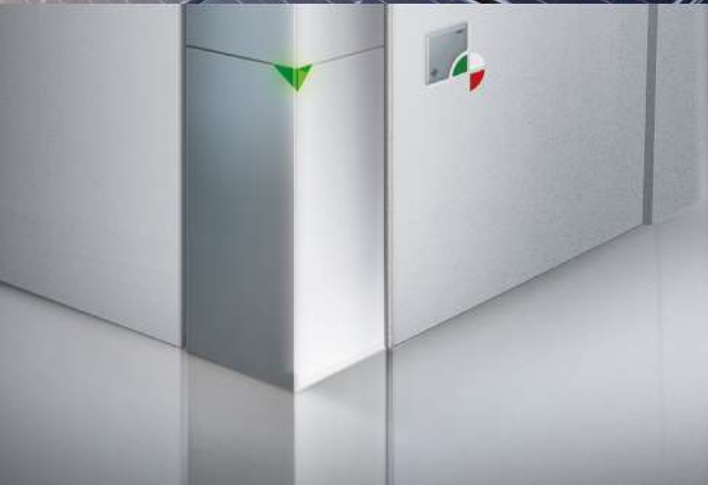
(!) up to 270 kg with 14.4kWh battery

(o) ask for warranty extensions

Storage where there wasn't



Ston is the storage system that allows the already existing photovoltaic plants to store the produced electric energy. You have only to install it to **store** immediately **energy** during the day and have it available during the evening or night, when you more need it.



Ston is **innovative**. It is already suitable for the majority of the existing photovoltaic plants. Easy and quick to install, it adapts itself to the PV plant without any additional components and any connection change to the public grid.

Ston is **efficient**. It is equipped with lithium batteries that do not need any maintenance with an outstanding performance and a life longer than 10 years.

Ston is **italian**. It is designed by a team of engineers, who have the experience and passion for high-quality technology. Its unique design is elegant and compact with different colours suitable for each type of room.










Ston is smart. It shows the technical data about its functioning in real time through WiFi and GPRS. It is accessible from a PC, smartphone or tablet and it can be monitored at home, at work or on holiday.

Ston is safe. It is remote controlled by a team of qualified technicians, who are always available to inspect it in a very quick and efficient way in case of need, for a comfortable and safe use. It is compliant with the Standard CEI 0-21 and guaranteed 7 years.



Ston is expandable. It is possible to add battery units according to your energy needs, to have more energetic independence.

 SILVER GREY
 Silver Light



 Plastic
 Plastic
 OYSTER WHITE
 Silver Light

 SLATE GREY
 Silver Light

 BLACK GREY
 Silver Light



continuous energy...



LEMON YELLOW
Silver Light

TOMATO RED
Silver Light

LEAF GREEN
Silver Light

GREEN BLUE
Silver Light

Plastic
Plastic

