

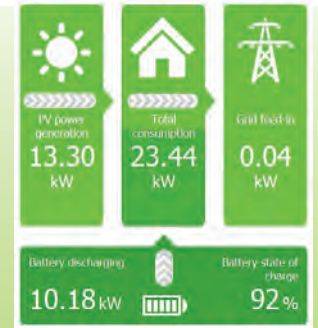
# Can someone save the power of the sun?

# TESVOLT can!



TESVOLT  
STORAGE TECHNOLOGY

partner of:



[www.sunnyportal.com](http://www.sunnyportal.com)



#### Personal consumption

You can use your self-produced energy around the clock. We are already on the way to autarky.



#### Safety

The TESVOLT-Lithium-batteries do not contain environmentally harmful heavy metals and are intrinsically safe.



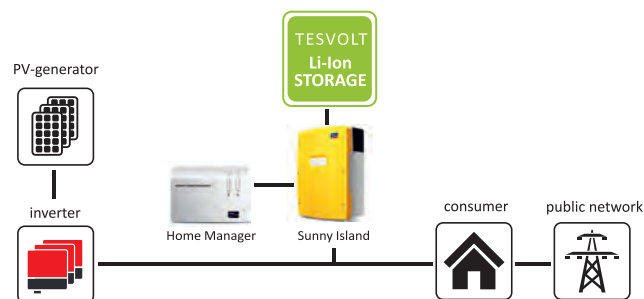
#### Recycling

TESVOLT offers you free collection of your old batteries, regardless of age or condition in Germany.

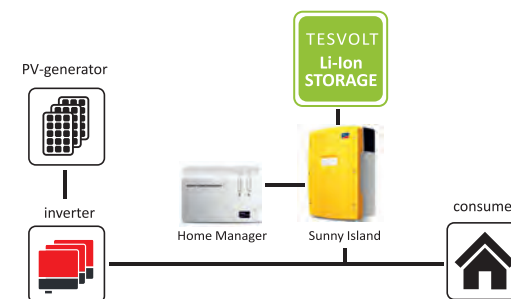
[www.tesvolt.com](http://www.tesvolt.com)



## ON-GRID



## OFF-GRID



Battery System with SMA		Li 10		Li 20		Li 30		Li 40		Li 60		Li 120	
Energy content (C1) [kWh]		10		20		30		40		60		120	
Max. nominal charging power DC [kW]		4,6		4,6		4,6		13,8		18		18	
Max. nominal discharging power AC [kW]		max. 6,9		max. 13,8		max. 18		max. 18		max. 36		max. 72	
Depth of discharge [DoD]	70%	90%	70%	90%	70%	90%	70%	90%	70%	90%	70%	90%	
Usable capacity [kWh]	7	9	14	18	21	27	28	36	42	54	84	108	
Number of cycles	8000	5000	8000	5000	8000	5000	8000	5000	8000	5000	8000	5000	
Charging time at rated power [h]	1,6	2,0	3,1	4,0	4,7	6,0	2,1	2,7	2,4	3,1	4,8	6,1	
Discharging time at rated power [h]	1,6	2,0	3,1	4,0	4,7	6,0	2,1	2,7	2,4	3,1	4,8	6,1	
Self-discharge	< 3% per month		< 3% per month		< 3% per month		< 3% per month		< 3% per month		< 3% per month		
Suitable PV systems power [kWp]	from 5		from 10		from 15		from 20		from 20		from 30		
Max. efficiency	90%		90%		90%		90%		90%		90%		

### Battery System

Electric charge (C1) [Ah]	200	400	600	800	1200	2400
Charge and discharge current [A] / max. 3 sec. [A]	153 / 300	330 / 900	420 / 900	420 / 900	420 / 900	420 / 900
DC nominal power [V]	51,2	51,2	51,2	51,2	51,2	51,2
System	1-phase / 3-phase	1-phase / 3-phase	1-phase / 3-phase	1-phase / 3-phase	1-phase / 3-phase	1-phase / 3-phase
Emergenc power supply	optional	optional	optional	optional	optional	optional

### General data (Battery cabinet)

Dimensions (L x B x H) [mm]	500 x 600 x 1000	2x (500 x 600 x 1000)	800 x 950 x 1900	800 x 950 x 1900	800 x 900 x 1900	2x (800 x 950 x 1900)
Total weight [kg]	150	350	570	750	1.100	2.200

Security	Description	Installation conditions	Description	Warranty (Battery)	Description
Certificates	FNN / CE / UN38.3	Installation place	indoor	Warranty	2 years
Connection authorization	VDE AR-N-4105	Protection class	IP 55	Performance	10 years
Lifetime (25°C) 90% DoD	5.000 cycles	Storage temperature	from -20°C to 60°C	Recycling	free take-back
Lifetime (25°C) 70% DoD	8.000 cycles	Working temperature	from 5°C to 45°C		

