



# HYCUBE e.Active

THE PREMIUM  
E.STORAGE  
FOR YOUR HOME

The HYCUBE e.Active is a fully integrated photovoltaic memory system.

Because it was designed from the get-go as a complete solution, all components are perfectly matched and find room in the housing.

All components – the integrated solar inverters, the lithium ion battery and the management system with touch display – have proven themselves through years of experience in the field.

**Get more information at [hycube.com](http://hycube.com)**



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e.storage

Type	S	M	L	XL	XXL
Recommended for annual consumption	3.000 kWh	4.000 kWh	5.000 kWh	6.000 kWh	≥ 7.000 kWh

Battery Manager					
Max. charging power	2.400W	3.600W	4.800W	4.800W	4.800W
Max. discharging power	4.680W	6.480W	7.200W	7.200W	7.200W
Lithium Type	Lithium-iron-phosphate				
Capacity	4,8 kWh	7,2 kWh	9,6 kWh	12 kWh	14,4 kWh
Batteries	2	3	4	5	6
Max. Capacity	14,4 kWh				
Expected cycles at 80% DoD	6.000				

AC Output	
Rated power	4.600W
Rated current	20 A
Max. AC current	22,1 A
Grid output voltage	230 V
Feed in phases	1
Grid frequency	50 Hz
Power factor (rated power)	1
Power factor (cos...phi) (ind...kap)	0,9...0,9
Max. efficiency	97,60 %
AC charging	Yes, additional function

Emergency power (AC)					
EPS - Power on time	4 - 5 s				
Continuous output	3.120VA	4.000VA	4.000VA	4.000VA	4.000VA
Peak output	4.680VA	6.000VA	6.000VA	6.000VA	6.000VA
Phases	1				
EPS - Changeover relay (single phase)	integrated, monophas, all-pole				
Socket with EPS function	Ja - 230V / 16A				

Input	
Max. DC power	5.000W
Max. DC voltage	550V
MPPT voltage range	130... 530V
Max. input current	12/ 12 A
Number of MPP trackers	2 A
MPPT efficiency	99,9%
DC switch (modules)	integrated

Display	
Display	Large 7" colour-screen-touch-display
Communication interfaces	1x Ethernet

Periphery					
Dimensions (W/H/D) mm	1.600 mm x 600 mm x 600 mm				
Operating temperature range °C	0°C ~ +40°C				
Altitude	< 2.000 m				
Cooling concept	Fan				
Noise emission (typical) db	< 40 db				
Humidity %	0 ~ 90 % (non-condensing)				
Weight	176kg	199kg	222kg	245kg	268kg

Tests/Certificates	
Certificates	VDE-AR-N 4105, UN3480, CE
	VDE 2510-2 and security guide LiO (BSW)

Additional functions	
Three phase compensation	Yes - Energy meter (65 A/ Phase), converter on request
Remote maintenance	Yes
PV monitoring	Yes
e.Active - Energy Manager	Yes