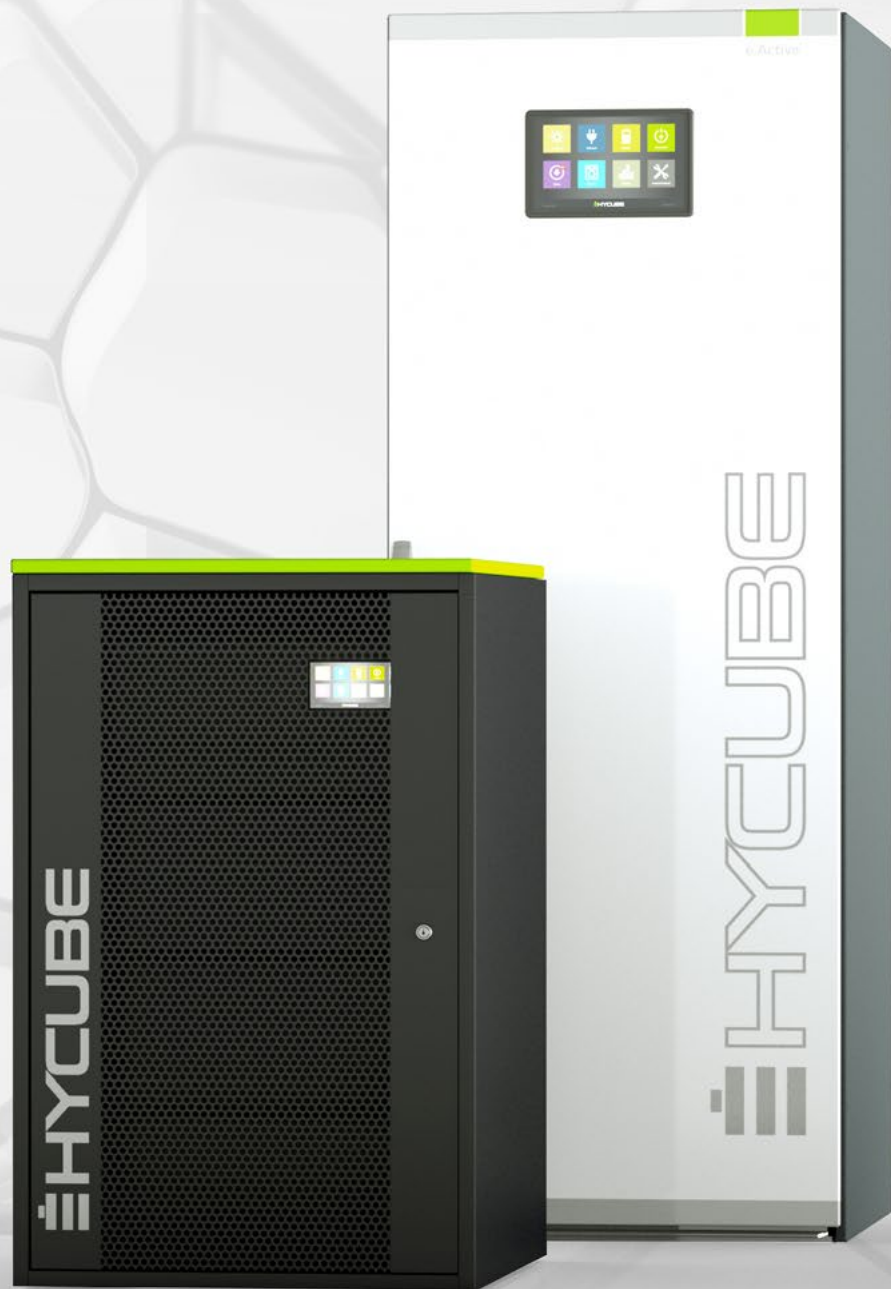


THE SMART HYBRID STORAGE SYSTEM FOR MORE AUTONOMY



TECHNICAL DATA

	HYCUBE e.Compact		HYCUBE e.Active				
TYPE	S	M	S	M	L	XL	XXL
Recommended for anual consumption	3.000 kWh	4.000 kWh	3.000 kWh	4.000 kWh	5.000 kWh	6.000 kWh	≥ 7.000 kWh
BATTERY MANAGER							
Max. charging power	2.400 W	3.600 W	2.400 W	3.600 W	4.800 W	4.800 W	4.800 W
Max. discharging power	4.680 W	6.480 W	4.680 W	6.480 W	7.200 W	7.200 W	7.200 W
Technology	Lithium-iron-phosphate		Lithium-iron-phosphate				
Capacity max./usable	4,8 / 3,89 kWh	7,2 / 5,76 kWh	4,8 / 3,89 kWh	7,2 / 5,76 kWh	9,6 / 7,68 kWh	12 / 9,6 kWh	14,4 / 11,52 kWh
Number of batteries / max	2 / 3	3 / 3	2 / 6	3 / 6	4 / 6	5 / 6	6 / 6
Rated voltage	48 V		48 V				
Guaranteed cycles with HYCUBE smart charging	6.000		6.000				
AC OUTPUT							
Rated power	4.600 W		4.600 W				
Rated current	20 A		20 A				
Max. AC current	22,1 A		22,1 A				
Grid output voltage	230 V		230 V				
Feed in phases	1		1				
Grid frequency	50 Hz		50 Hz				
Power factor (rated power)	1		1				
Power factor (cos...phi) (ind...kap)	0,9...0,9		0,9...0,9				
Max. efficiency	97,60 %		97,60 %				
AC charging	✓ – hybrid system		✓ – hybrid system				
EMERGENCY POWER (AC)							
EPS – Power on time	4 – 5 s		4 – 5 s				
Continous output	3.120 VA	4.000 VA	3.120 VA	4.000 VA	4.000 VA	4.000 VA	4.000 VA
Peak output	4.680 VA	6.000 VA	4.680 VA	6.000 VA	6.000 VA	6.000 VA	6.000 VA
Phases	1		1				
EPS – Changeover relay (single phase)	integrated, single phase, all-pole		integrated, single phase, all-pole				
Stocket with EPS function	✓ – 230 V / 16 A		✓ – 230 V / 16 A				
INPUT SOLAR							
Max. DC power	5.000 W		5.000 W				
Max. DC voltage	550 V		550 V				
MPPT voltage range	130 ... 530 V		130 ... 530 V				
Max. input current	12 / 12 A		12 / 12 A				
Number of MPP trackers	2		2				
MPPT efficieny	99,9 %		99,9 %				
DC switch (modules)	integrated		integrated				
DISPLAY							
Touchscreen	Large 5" colour-screen-touch-display		Large 7" colour-screen-touch-display				
Communication interfaces	1x Ethernet		1x Ethernet				
PERIPHERY							
Dimensions (W/H/D) mm	914 mm x 600 mm x 600 mm		1.600 mm x 600 mm x 600 mm				
Operating temperature range °C	0 °C - + 40 °C		0 °C - + 40 °C				
Altitude	< 2.000 m		< 2.000 m				
Cooling concept	Fan		Fan				
Noise emmission (typical) db	< 40 db		< 40 db				
Humidity %	0 ~ 90 % (non-condensing)		0 ~ 90 % (non-condensing)				
Weight	128 / 78 kg	153 / 78 kg	176 / 126 kg	201 / 126 kg	226 / 126 kg	251 / 126 kg	276 / 126 kg
TESTS / CERTIFICATES							
Certificates	VDE-AR-N 4105, UN3480, CE; IEC21A/556/CD; G59/3		VDE-AR-N 4105, UN3480, CE; IEC21A/556/CD; G59/3				
	VDE 2510-2 and security guide LiO (BSW); ÖVE/ÖNORME 8001, CEI 0-21		VDE 2510-2 and security guide LiO (BSW); ÖVE/ÖNORME 8001, CEI 0-21				
ADDITIONAL FUNCTIONS							
Three phase compensation	✓ – Energy meter (65 A/ Phase), converter on request		✓ – Energy meter (65 A/ Phase), converter on request				
Remote maintenance	✓		✓				
PV monitoring	✓		✓				
Energy Manager	✓		✓				

Status: 06/2016