

TECHNICAL DATA

tri.Active

NUMBER OF BATTERIEPACKS	4 (Basic)	5	6	7	8
Recommended for annual consumption	5.000 kWh	6.000 kWh	≥ 7.000 kWh	≥ 7.000 kWh	≥ 7.000 kWh
Capacity max. / usable (kWh)	9,60 / 8,64	12,00 / 10,80	14,40 / 12,96	16,8 / 15,12	19,2 / 17,28
Max. charging power @ 48 V (W)*	4.800	6.000	7.200	7.680	7.680
Discharging power @ 48 V (W)*	4.800	6.000	7.200	8.400	9.600
Max. Discharge Overpower @ 48V (W)*	7.680	9.600	9.600	9.600	9.600
Lithium Type	Lithium Iron Phosphate				
Max. efficiency Battery	98 %				
Rated voltage	48 V				
Cycles with HYCUBE smart charging	6.000 (Please note the current warranty conditions)				
Expected battery lifetime	Designed for 20 years**				
Weight (only batteries)	96 kg	120 kg	144 kg	168 kg	192 kg
Warranty	10 years inverter, 10 years battery**				
OUTPUT (AC)					
Nominal power	9.000 VA				
Rated current	13 A / Phase (As input max. 17,5A/Phase)				
AC voltage	3/N/PE; 230/400 Vac				
Phases	3				
Frequency	50 Hz				
Power factor for nominal power	1				
Power factor range (ind ... cap)	0,9 ... 0,9				
Efficiency Solar -> AC	95,5 % (Max) / 94,50 % (Euro)				
Efficiency Solar -> Battery	94 %				
Efficiency Batterie <-> AC	93 %				
Charging from grid	✓				
EMERGENCY POWER SUPPLY (AC)					
EPS - Power on time	~1s				
Continuous output (VA)	4.800	6.000	7.200	8.400	9.000
Max. output 3s (VA)	7.680	9.000	12.000	12.000	12.000
Phases	3				
EPS-Changeover	integrated: Emergency power manual switch 63 A (mains - OFF - emergency power)				
EPS-Changeover Automatic	Optionally available: ATSE - automatic switchover, 63 A (mains - OFF - emergency power)				
SOLAR INPUT					
Recommended solar power min. - max.	4.500 Wp - 12.000 Wp				
Max. DC voltage	850 V				
MPP voltage range / Start voltage	380 ... 750 V / 350 V				
Max. input current String A/String B	18 / 18 A				
Number of MPP trackers	2				
DC switch (modules)	integrated				
DISPLAY / COMMUNICATION					
Touchscreen	Large 5" colour-screen touch-display				
Communication interfaces	1 x Ethernet				
ALLGEMEINES					
Dimensions (H x W x D)	1.800 mm x 600 mm x 600 mm				
Operating temperature range (Battery)	10 °C - +40 °C				
Max. altitude	< 2.000 m				
Cooling concept	Fan				
Noise emission (typical)	< 55 dbA				
Permitted humidity	0 - 90 % (without condensation)				
Weight without batteries	142 kg				
Internal consumption	45 - 150 W				
TESTS / CERTIFICATIONS					
(Further on request)	VDE-AR-N 4105 (2018), UN38.3, IEC21A/556/CD CE, VDE 2510-2, VDE AR 2510-50				
ADDITIONAL FUNCTIONS					
Meter for controlling and G100	✓				
Remote maintenance, Monitoring, Portal, API	✓				
Relays	✓ 2 (floating, max. 10A)				
Optional Hycube extensions	Radio controlled Schuko sockets (Enocean), 3 kW Immersion heater, 11 kW EV-Charger				

* If the cell temperature is outside the permissible operating temperature, the battery performance is automatically reduced.

**In PV-only operation

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

Technical Data HYCUBE premium e.storage