

TECHNICAL DATA

e.Compact neo

NUMBER OF BATTERIEPACKS	2 (Basic)	3	4	5	6
Recommended for annual consumption	3.000 kWh	4.000 kWh	5.000 kWh	6.000 kWh	≥ 7.000 kWh
Capacity max. / usable (kWh)	4,80 / 4,56	7,20 / 6,84	9,60 / 9,12	12,00 / 11,40	14,40 / 13,68
Max. charging power @ 48 V (W)*	2.400	3.360	3.360	3.360	3.360
Discharging power @ 48 V (W)*	2.400	3.600	4.800	4.800	4.800
Max. Discharge Overpower @ 48V (W)*	2.400	3.600	4.800	6.000	6.000
Lithium Type	Lithium Iron Phosphate				
Max. efficiency Battery	98 %				
Rated voltage	48 V				
Cycles with HYCUBE smart charging	6.000 <small>(Please note the current warranty conditions)</small>				
Expected battery lifetime	Designed for 20 years**				
Weight (only batteries)	48 kg	72 kg	96 kg	120 kg	144 kg
Warranty	10 years inverter, 10 years battery**				
OUTPUT (AC)	Integrated inverter: Hycube HY-5K-TL-LV				
Nominal power	4.600 VA (VDE 4105) / 5000VA (G99) / 3600VA(G98)				
Rated current / Max. current (VDE 4105)	20 A / 20,9 A				
AC voltage	230 V				
Phases	1				
Frequency	50/60 Hz				
Power factor for nominal power	1				
Power factor range (ind ... cap)	0,8 ... 0,8				
Efficiency Solar -> AC	97,80 % (Max)/ 97,00 % (Euro)				
Efficiency Solar -> Battery	95 %				
Efficiency Batterie <-> AC	94 %				
Charging from grid	✓				
Average settling time (incl. dead time)	< 3 s				
EMERGENCY POWER SUPPLY (AC)					
EPS - Power on time	~1s				
Continuous output (VA)	2.400	3.600	4.600	4.600	4.600
Max. output 5 / 30 min (VA)	3.600	5.400	6.000/5000	6.000 /5000	6.000/5000
Phases	1				
EPS-Changeover	Optionally available: Phase coupling with manual switch or automatic switchover (ATSE)				
Socket with EPS function	✓ - 230 V / 16 A Schuko with RCD 30 mA (Others on request)				
SOLAR INPUT					
Max. DC power	5.200 W				
Max. DC voltage	580 V				
MPP voltage range	125 ... 550 V				
Max. input current String A/String B	11,5 / 11,5 A				
Number of MPP trackers	2				
DC switch (modules)	integrated				
DISPLAY / COMMUNICATION					
Touchscreen	Large 5" colour-screen touch-display				
Communication interfaces	1 x Ethernet				
PERIPHERY					
Dimensions (H x W x D)	914 mm x 600 mm x 650 mm				
Operating temperature range (Battery)	10 °C - + 40 °C				
Max. altitude	< 2.000 m				
Cooling concept	Natural-Cooling				
Noise emission (typical)	< 30 dB				
Permitted humidity	0 - 90 % (without condensation)				
Weight without batteries	78 kg				
Internal consumption	12 - 47 W				
TESTS / CERTIFICATIONS					
(Further on request)	VDE-AR-N 4105 (2018), G98, G99, G100, UN38.3, CE, IEC21A/556/CD, VDE 2510-2,				
ADDITIONAL FUNCTIONS					
Meter for controlling and G100	✓ (CT)				
Remote maintenance, Monitoring, Portal, VNC	✓				
Relays	✓ 2 (floating, max. 10A)				
Optional Hycube extensions	Radio controlled Schuko sockets (Enocean), HYCUBE.drive, HYCUBE.heat				

* 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