AXIhycon ONE

8 kW / 10 kW / 12 kW / 15 kW
9,7 kWh up to 34 kWh usable storage capacity

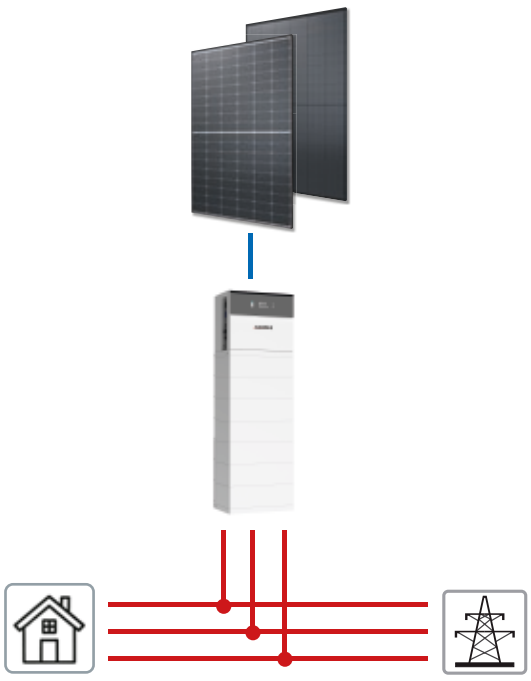
All in one: PV Hybrid Inverter and Energy Storage
The perfect hybrid solution for optimized self-consumption

Advantages:

- Easy — Installation-friendly complete solution
- 3 flexible — 3 MPP trackers for individual design of the PV system
- Backup — Replacement power light
- 10 Years — 10 years of time value replacement warranty

Multi-Power
4-in-1-Inverter





AXIhyconONEEN261105

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AXIhycon ONE

Electrical Data

Model name	8H	10H	12H	15H
Input DC PV				
Max. PV power	12,8 kWp	16 kWp	19,2 kWp	24 kWp
Max. input voltage	1000 V			
Start-up voltage	200 V			
MPPT voltage range	200 - 850 V			
Max. input current	20 A			
Max. input power per MPPT	30 A			
MPPT nr. / Max. input strings nr.	3 / 3			

Input DC Battery (Li SV3)						
Numer of Energypacks	2	3	4	5	6	7
Usable capacity	9.7 kWh	14.6 kWh	19.4 kWh	24.3 kWh	29.1 kWh	34 kWh
Nominal voltage	205.8 V	307.2 V	409.6 V	512 V	614.4 V	716.8 V
Max. charge / discharge current	50 A					
W x D	540 x 350 mm					
H	880 mm	1050 mm	1220 mm	1390 mm	1500 mm	1730 mm
Weight	121 kg	160 kg	199 kg	238 kg	277 kg	316 kg

Output AC (Grid)				
Rated output power	8 kW	10 kW	12 kW	15 kW
Max. apparent output power	8 kVA	10 kVA	12kVA	15 kVA
Rated grid voltage	3/N/PE. 400 V			
Rated grid frequency	50 Hz			
Rated grid output current	11.6 A	14.5 A	17.4 A	21.7 A
Max. output current	17.4 A	21.7 A	26.1 A	32.6 A

Output AC (Back-up)				
Rated output power	8 kW	10 kW	12 kW	15 kW
Max. apparent output power	9.6 kVA 60 s	12 kVA 60 s	14.4 kVA 60 s	18 kVA 60 s
Back-up switch time	< 10 ms			
Rated output voltage	3/N/PE. 400 V			
Rated frequency	50 Hz			
Rated output current	11.6 A	14.5 A	17.4 A	21.7 A

Efficiency	
Max. Efficiency	98 %
EU Efficiency	97.5 %

Protection

- Anti-Islanding
- Output over current protection
- Short circuit protection
- Integrated AFCI (Activation required)
- Integrated DC switch
- DC polarity protection
- PV overvoltage protection type II
- Battery reverse protection

General Data

Installlation	Floor
Topology	transformerless
Rage of Temperature	- 10 ~ + 55°C
Ingress protection	IP55
Cooling	fanless
Max. operation altitude	3000 m
Noise emission	< 29 dB
Depth of discharge	95 %

Grid connection standard

VDE-A-N-4105: 2018/DIN VDE V 0124-100: 2020/ EN50549-10/EN50549-1/PPDS Annex: 2022+EN50549-10/ EIFS+EN50549-10/CEIO-21/RD1699 RD661 RD413/UNE 217002: 2020/NTS Version 2.1: 2021/UNE 217001: 2021/AS 4777.2/AS60947.3/TOR/ PTPiREE/NA-EEA-N37-CH 2020

Safety / EMC standard

UN38.3/IEC61000-6/VDE-AR-E-2510-50 2017-05/ IEC62619: 2022/IEC60730-1/ISO13849/IEC62477-1: 2022/ EN 62477-1: 2012+A12: 2021/IEC62109-1: 2010/ IEC62109-2: 2011

Features

DC connection	MC4 connector
AC connection	Quick connect plug
Display	LED + Bluetooth + APP
Communication	Wi-Fi, LAN, Bluetooth
AFCI	2.0@IEC 63027

Delivery

- Hybrid inverter with all cables and screws up to the maximum expansion level
- Smart Meter / Eastron SDM630MCT
- Upgrade 8 - 15 kW including

Notice

- Energypacks of 4.86 kWh must be ordered separately

Technical data are subject to change without prior notice, errors excepted. The measurement tolerances are +/-3%. Please be aware: All technical data provided in our data sheets are property of Axitec Energy GmbH & Co. KG and intended for information purposes for our customers only. We cannot accept any guarantee of completeness or accuracy. These data are prohibited for any kind of commercial use.