

HYXI Atlas Air Cooling Energy Storage System 100kWh

HYX-EF100P2-40K/49K9/50K-EU

Version 1.0-2609 (CONFIDENTIAL)
Design and specifications are subject to change without notice.



Strong Environmental Adaptability

- IP55 Protection & C5 Anti-Corrosion
- Reliable Operation in Harsh Outdoor Environments
- Resistant to Humidity, Salt Fog & Sand Dust



Compact Footprint

- Footprint per Cabinet < 0.945m²
- Flexible Deployment for Space-Constrained Sites
- High Space Utilization Efficiency



Low Noise Operation

- Operating Noise ≤ 70 dB
- Meets Commercial & Industrial Noise Control Requirements



Easy Installation, Plug-and-Play

- Integrated All-in-One Cabinet Design
- Plug-and-Play for Rapid Deployment
- Reduced Installation Time & Construction Cost



Convenient O&M for Overseas Sites

- Modular Design for Easy Maintenance
- AI-Driven EMS Remote Smart O&M
- Reduced Overseas Maintenance Pressure

Technical Specifications

HYX-EF100P2-40K/49K9/50K-EU

Product Model	HYX-EF100P2-40K-EU	HYX-EF100P2-49.9K-EU	HYX-EF100P2-50K-EU
Battery			
Cell Type	LFP/314Ah		
Rated Energy	100kWh		
Rated Battery Voltage	320Vd.c.		
Battery Voltage Range	280 ~ 365Vd.c.		
Max. Charge/Discharge Current	157Ad.c.		
PV Input			
Max. PV Input Power	80kW	99.8kW	100kW
Max. PV Input Voltage	1000Vd.c.		
MPPT Operating Voltage Range	150 ~ 950Vd.c.		
Start-Up Voltage	180Vd.c.		
Max. PV Input Current per MPPT	40Ad.c.		
Max. Short-Circuit Current per MPPT	60Ad.c.		

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Product Model	HYX-EF100P2-40K-EU	HYX-EF100P2-49.9K-EU	HYX-EF100P2-50K-EU
Number of MPPTs / Strings per MPPT	4(2/2/2/2)		
AC Input and Output (On-Grid)			
Rated AC Output Voltage	3/N/PE, 220/380Va.c. 3/N/PE, 230/400Va.c.		
Rated Frequency	50/60Hz		
Rated AC Output Power	40kW	49.9kW	50kW
Rated AC Output Current	60.8Aa.c. @220Va.c. 57.7Aa.c. @230Va.c.	75.8Aa.c. @220Va.c. 72Aa.c. @230Va.c.	76Aa.c. @220Va.c. 72.2Aa.c. @230Va.c.
Max. Output Apparent Power	44kVA	49.9kVA	55kVA
Max. Output Current	66.9Aa.c. @220Va.c. 53.5Aa.c. @230Va.c.	75.8Aa.c. @220Va.c. 72Aa.c. @230Va.c.	83.6Aa.c. @220Va.c. 79.4Aa.c. @230Va.c.
Adjustable Power Factor	0.8 leading ~ 0.8 lagging		
THDi (Rated Power)	< 3% (rated power)		
General			
Dimensions (W × H × D)	750 × 2350 × 1260mm		
Weight	≈1410kg		
Operating Temperature Range	-30 ~ 55°C (> 45°C derating)		
Relative Operating Humidity Range	0 ~ 100%RH (non-condensing)		
Max. Operating Altitude	3000m		
Cooling Concept	Air cooling		
Ingress Protection	IP55		
Corrosion Protection Class	C5		
Noise	≤ 70dB		
Fire Suppression System	Aerosol, multi-sensor/water ingress, explosion-proof ventilation		
Communication Interface	Ethernet/Wi-Fi/4G		
Standards Compliance			
Standards	CE, IEC 62619, IEC 62477, IEC 61000, UN 38.3		