Hi-MO One Pro+Hybrid Inverter

Native solar-storage integration for seamless site adaptation

125kW/261kWh



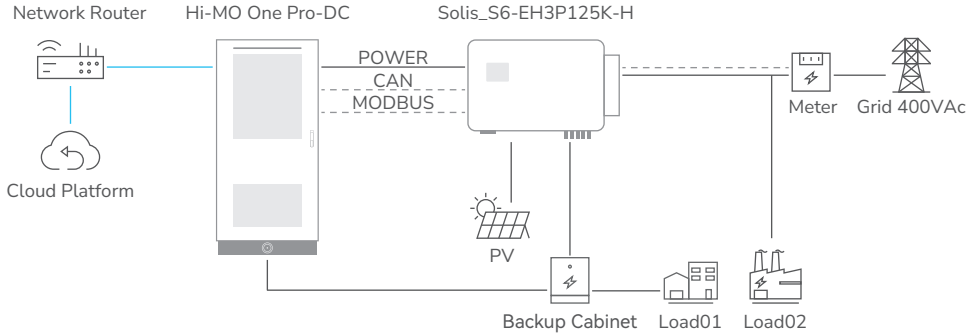
Peak Performance: Industry-Leading Round Trip Efficiency, Powered by Premium-Grade Cells, Maximizing ROI

Ultimate Safety: Proprietary iCCS Technology Eliminates All Thermal Runaway Risks, 13-Year Automotive-Grade Safety & Quality Specification

Optimal 2-Hour Dis/charge Architecture: Perfectly Tailored for Solar-Storage Integration, Best Practice for Peak-Valley Arbitrage & Backup Power Supply

Universal Compatibility for All Scenarios: Scalable Design with Seamless On/Off -Grid Switching, Optional Automatic Diesel Generator Transfer Module

SYSTEM DIAGRAM



PRODUCT SPECIFICATIONS

Model	Solis_S6-EH3P125K-H
Input DC (PV side)	
Recommended max. PV array size	250kW
Max. usable PV input power	250kW
Max. input voltage	1000V
Rated voltage	600V
Start-up voltage	180V
MPPT voltage range	150-950V
Max. input current	10×42A
Max. current per DC input	42A
Max. short circuit current	10×60A
MPPT number/ Max. input strings number	10/20
Output AC (Grid side)	
Rated output power	125kW
Max. apparent output power	125kVA
Rated grid voltage	3/N/PE, 220V/380V, 230V/400V
Rated grid frequency	50Hz/60Hz
Rated grid output current	189.9A/180.4A
Power factor	> 0.99(0.8leading-0.8lagging)
THDi	< 3%
Output AC (Back-up)	
Rated output power	125kW
Back-up switch time	< 10ms
Rated output voltage	3/N/PE, 220V/380V, 230V/400V
Rated frequency	50Hz/60Hz
Rated output current	189.9A/180.4A
Max. AC passthrough current	189.9A/180.4A
THDv (@linear load)	< 3%
Input AC (Generator side)	
Max. input power	125kW
Rated input current	189.9A/180.4A
Rated input voltage	3/N/PE, 220V/380V, 230V/400V
Rated input frequency	50Hz/60Hz

Model	Hi-MO One Pro-DC
DC Side	
Cell type	LFP
Cell capacity	314Ah
Rated energy	261.24kWh
Nominal voltage	832V
General Data	
Weight (Basic)	2250kg
Dimensions (W×D×H)	1068mm×1600mm×2351mm
Operating altitude	≤2000m
System ingress protection rating	IP55
Operating temperature	-30 ~ 55°C
Cooling method	Liquid Cooling
Standard Compliance	
Standard	IEC/UL 60730, IEC 62619, IEC 63056, EN/IEC 62477, IEC 62040, EN/IEC 61000, UN 38.3, UN 3480

Efficiency	
Max. efficiency	97.5%
EU efficiency	97.2%
BAT charged by PV / AC max. efficiency	98.2%/ 97.0%
General Data	
Dimensions (W×H×D)	1174×814×400mm
Weight	170kg
Ingress protection	IP66
Max. operation altitude	2000m
Grid connection standard	G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1/ EN 50549-10, PTPiREE, VDE 0126/XP C15/VFR:2019, NTS 631/RD 1699/UNE 217002, CEI 0-21, CEI 0-16, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, DEWA, MEA, PEA, PORTARIA N° 140/ PORTARIA N° 515
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 55011

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