

YOUR
SMART
ENERGY



STORION-H30/H50-G3

COMMERCIAL &
INDUSTRIAL SERIES

POWER

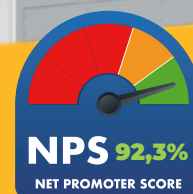
30 / 50 kW Hybrid Inverter

CAPACITY

24.1 kWh Battery Module

96.4 ~ 120.5 / 192.8 ~ 241 kWh for
STORION-H50-G3

72.3 ~ 120.5 / 144.6 ~ 241 kWh for
STORION-H30-G3



KEY FEATURES

- **All-in-One Design**
The cabinet contains batteries, PCS, DC/DC, STS and EMS, but only occupies a small area.
- **Optimal for Multi-Direction Roof**
PV Input: 4*MPPT with 330 V ~ 850 V MPPT Voltage (50 kW)
4*MPPT with 200 V ~ 850 V MPPT Voltage (30 kW)
- **Multiple System Operation Monitoring**
Web- and app-based cloud application for commercial and industrial use
- **Max 10 systems in on-grid parallel, 4 systems in off-grid parallel**
On- / Off- grid switching time ≤ 20 ms

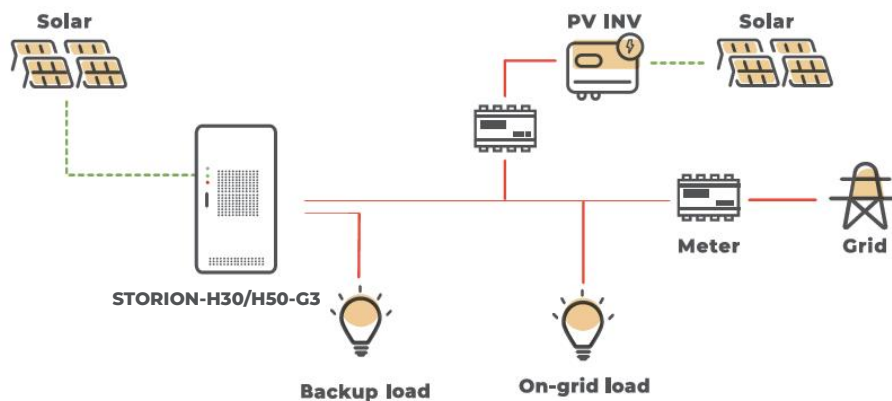
*Net Promoter Score (recommendation rate); Source: EUPD Research 2024 – Residential

**SOL
SHARE**
ENERGY DISTRIBUTION

STORION-H30/H50-G3



System Function	
• Backup	• Peak Shaving and Load Shifting
• Max 10 Systems in Parallel	• TOU (Time of Use) Mode
System Diagram	



Model	STORION-H30-G3	STORION-H50-G3
System Technical Specification		
System Capacity	72.3 kWh / 96.4 kWh / 120.5 kWh	96.4 kWh / 120.5 kWh
Battery Module Connection	3 ~ 5 in series	4 ~ 5 in series
Standard Battery Rack	1*	
Standard Warranty	5 Years Product Warranty, 10 Years Battery Performance Warranty	
PV Side (DC)		
Max. input power	45 kW	75 kW
Start-up voltage	210 V	
MPPT Voltage Range	200 ~ 850 V	330 ~ 850 V
Number of MPPT	4	
Number of Strings per MPPT	2	
Max. Input Current	40 A / 40 A / 40 A / 40 A	
Max. Short-circuit Current	50 A / 50 A / 50 A / 50 A	
Grid (AC)		
Rated Output Power	30 kW	50 kW
Max. Input Apparent Power	60 kVA	80 kVA
Rated Grid Voltage	3L / N / PE , 220 V / 380 V; 230 V / 400 V; 240 V / 415 V	
Frequency	50 / 60 Hz	
Max. Output Current	45.5 A	75.8 A
Output THDi	< 3%	
Adjustable power factor	0.8 leading ... 0.8 lagging	
Backup (AC)		
Rated Output Power	30 kW	50 kW
Max Output Apparent Power	30 kVA	50 kVA
Rated Ouput Voltage	3L / N / PE , 220 V / 380 V; 230 V / 400 V; 240 V / 415 V	
Frequency	50 / 60 Hz	
Max. Output Current	45.5 A	75.8 A
General Data		
Dimensions (W x D x H)	1,120 x 1,300 x 2,050 mm	
Weight	1,700 kg (with 5*M77314-S)	
Operating Temperature Range	-20 °C ~ 50 °C (PCS > 45°C derating)	
Relative Humidity	0% ~ 90% (No Condensation)	
Ingress Protection	IP 55	
Max. operating Altitude	3,000 m / 9,842 ft (> 3,000 m derating)	
Cooling Method	HVAC	
Noise Emission	≤ 65 dB @ 1m	
Communication	RS485, CAN, Modbus TCP, Ethernet	
Certification	IEC 61000-2/-4, IEC 62109, EN 50549, VDE 4105, VDE 4110, AS4777**, NRS 097, IEC 62477, UN38.3	

* Max support 2 battery racks, extra battery cabinet is needed.

** The certification process is ongoing.

**** Max. charge / discharge current derating may occur with changes in temperature and SoC.



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