

YOUR
SMART
ENERGY

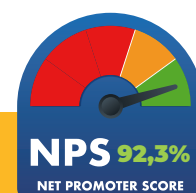
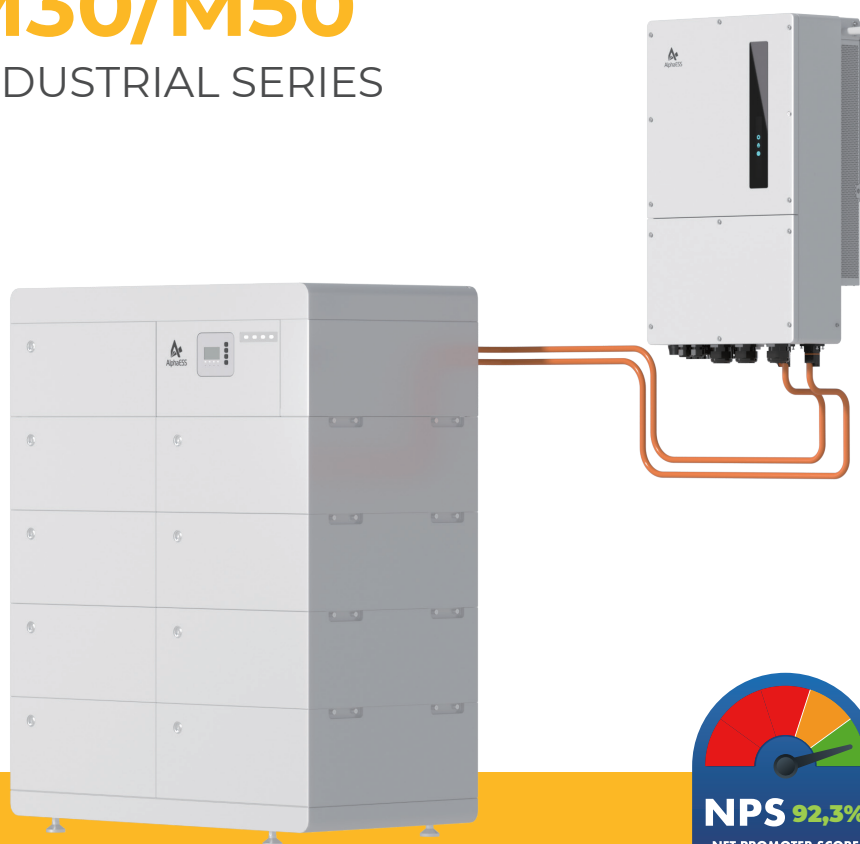


Storion-M30/M50

COMMERCIAL & INDUSTRIAL SERIES

POWER
30 / 50 kW

CAPACITY
60.25 - 216.9 kWh



KEY FEATURES

Quick Installation and Easy Expansion: Plug & Play

Remote System Monitoring

Dynamic SOC balancing between battery modules to maximize the energy utilization

200% PV input oversizing

IP66 for tough outdoor environments

Unique Bypass technology ensures stable system operation

*Net Promoter Score (Recommendation Rate); Source: EUPD Research 2024

Storion-M30/M50



Model	Storion-M30	Storion-M50
System Specifications		
Nominal Output Power	30 kW	50 kW
Capacity Range	60.25 ~ 216.9 kWh	
Warranty	5 Years Product Warranty, 10 Years Battery Performance Warranty	
Inverter		
PV Side (DC)		
Max. PV Input Power	60 kW	100 kW
Max. PV Input Voltage	1,000 V	
Stratup Voltage	150 V	
MPPT Voltage Range	150 - 850 V	
Max. Input Current per MPPT	40 A	
Max. PV Short-Circuit Current	60 A	
MPPT Number / Max. Input String	3 / 2	4 / 2
Battery (AC)		
Battery Voltage Range	150 - 800 V	
Max.Charge / Discharge Current	140 A	
Grid (AC)		
Max. Output Power	30 kW	50 kW
Max. Input Power	60 kW	100 kW
Nominal AC voltage	220 V / 380 V, 230 V / 400 V	
Rated Frequency	50 / 60 Hz	
Backup (AC)		
Max Output Power	50 kW	100 kW
Max./Rated output current	45.6 / 43.3A	76 A / 72.2 A
Max Output Power	105% @ long term, 160% @ 2s	
Switch Time	< 20 ms	
Rated Output Voltage	3L/N/PE, 220 / 380 V; 230 / 400 V	
Rated Frequency	50 / 60 Hz	
General data		
Dimensions (W*H*D)	530 * 880 * 290 mm	
Weight	73 kg	
Noise Emission	70 dB @ 1m	
Overvoltage Protection (SPD)	Type II	
Max. Operating Altitude	4,000 m	
Ingress Protection	IP66	
Operation Temperature Range	-20 ~ 50 °C	
Communication	WIFI / LAN / 4G / Modbus / CAN	
Certifications	IEC61000 *, IEC62109 *, AS4777 *, VDE4105 *, TOR Erzeuger *, C10/I1 *, EN50549 *, VDE 4110 *, CEI 0-16 *, CEI 0-21 *, G99 *	
Battery Module		
Technical Specifications		
Module Model	M38314-S (0.5 C)	
Battery Type	LFP (LiFePO4)	
Module Capacity	12.05 kWh	
Depth of Discharge (DOD)	95% on grid, 90% off grid	
Nominal Voltage	38.4 V	
Max. Charging/Discharging Current	157 A **	
Operating Temperature Range	0 °C ~ 50 °C (Charge) ; -20°C ~ 50°C (Discharge)	
Cycle Life	6,000***	
Number of Battery module pro System	5 -18	
Dimensions (W x D x H)	550 * 615 * 250 mm	
Weight	90 kg	
Certification	UN38.3, IEC 62619, IEC 62040, IEC 61000-6-1/-3	

* The certification process is ongoing.

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

*** Under specific test conditions.



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