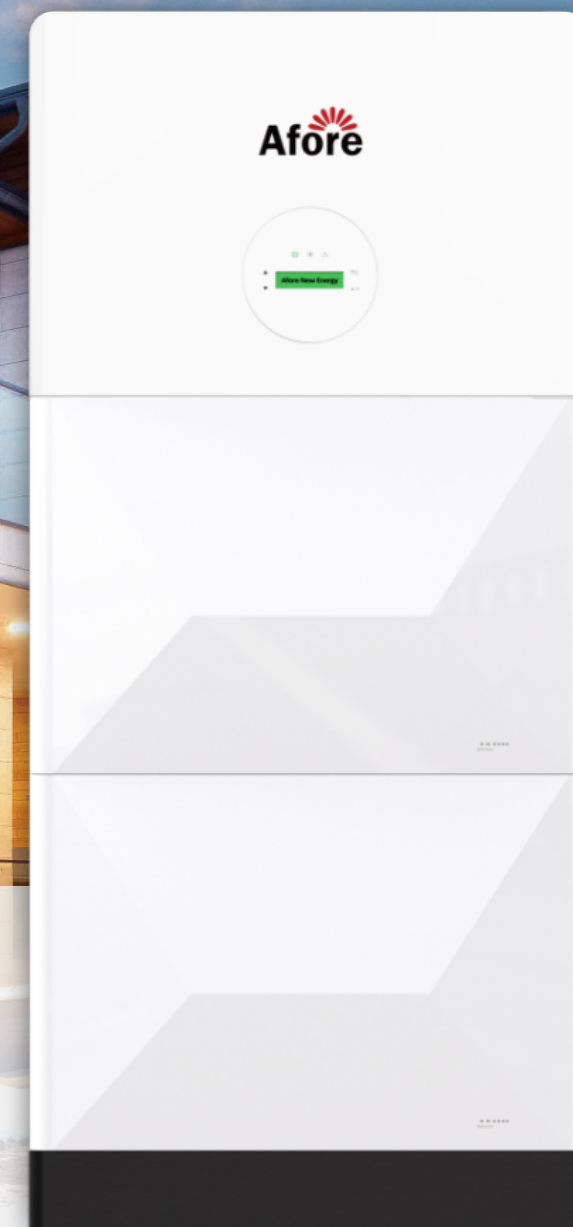




All In One Energy Storage System Single Phase Home Storage Solution (LV)

Afore ASL Series is an all-in-one solar and storage solution that integrates the inverter, battery charger, UPS-level switching, and battery enclosure into a pre-wired modular system for easier and faster installation. The compact, elegantly designed, and robust unit is IP66 rated, so it can be mounted either inside or outside withstanding all weather conditions and brings a reduction of installation time of up to 50%.



IP66 Outdoor Design



Modular Design
Plug & Play



AFCI Standard



Scalable Design
Up To 15.36 kWh



150% Backup
Overloading for 10s



RSD Ready
VPP Ready

INVERTER AFx-ASL + SISTEMA ACCUMULO ATOM-AES

POWER 3 / 3.6 / 4 / 4.6 / 5 / 5.5 / 6 kW

CAPACITY 5.12kWh - 15.36 kWh Battery Capacity

Technical Data	AF3K-ASL	AF3.6K-ASL	AF4K-ASL	AF4.6K-ASL	AF5K-ASL	AF5.5K-ASL	AF6K-ASL
PV Input							
Max. Input Power (kW)	4.5	5.4	6.0	6.9	7.5	8.3	9.0
Max. PV Voltage (V)				550			
MPPT Range (V)				80 - 500			
Full MPPT Range (V)	90 - 500	110 - 500	120 - 500	130 - 500	150 - 500	160 - 500	170 - 500
Normal Voltage (V)				360			
Startup Voltage (V)				100			
Max. Input Current (A)				18.5 x 2			
Max. Short Current (A)				26 x 2			
No. of MPP Tracker / No. of PV String				2 / 2			
Battery Port							
Max. Charge/Discharge Power (kW)	3.0	3.6	4.0	4.6	5.0	5.5	6.0
Max. Charge/Discharge Current (A)	80				120		
Battery Normal Voltage (V)				51.2			
Battery Voltage Range (V)				40 - 60			
Battery Type	Li-ion / Lead-acid etc.						
AC Grid							
Max Continuous Current (A)	14.0	17.0	19.0	22.0	23.0	26.0	28.0
Max Continuous Power (kVA)	3.0	3.6	4.0	4.6	5.0	5.5	6.0
Nominal Grid Current (A)	13.7 / 13.1	16.4 / 15.7	18.2 / 17.4	21.0 / 20.0	22.8 / 21.8	25.0 / 24.0	27.3 / 26.1
Nominal Grid Voltage (V)	198 to 242 @ 220 / 207 to 253 @ 230						
Nominal Grid Frequency (Hz)	50 / 60						
Power Factor	0.999 (Adjustable from 0.8 overexcited to 0.8 underexcited)						
Current THD (%)	< 3						
AC Load Output (Back-up)							
Max Continuous Current (A)	14.0	17.0	19.0	22.0	23.0	26.0	28.0
Max Continuous Power (kVA)	3.0	3.6	4.0	4.6	5.0	5.5	6.0
Max Peak Current (A) (10min)	20.5 / 19.6	24.6 / 23.5	27.3 / 26.1	31.4 / 30	34.1 / 32.7	37.8 / 36.1	41.0 / 39.2
Max Peak Power (kVA) (10min)	4.5	5.4	6.0	6.9	7.5	8.3	9.0
Nominal AC Voltage L-N (V)	220 / 230						
Nominal AC Frequency (Hz)	50 / 60						
Switching Time (ms)	< 10						
Voltage THD (%)	< 3						
Efficiency							
CEC Efficiency (%)		97.0				98.1	
Max. Efficiency (%)		97.6				98.1	
PV to Bat. Efficiency (%)		98.1				98.1	
Bat. between AC Efficiency (%)		96.8				96.8	
Protection							
PV Reverse Polarity Protection				Yes			
Over Current/Voltage Protection				Yes			
Anti-Islanding Protection				Yes			
AC Short Circuit Protection				Yes			
Residual Current Detection				Yes			
Ground Fault Monitoring				Yes			
Insulation Resister Detection				Yes			
PV Arc Detection				Yes			
Enclosure Protect Level				IP66 / NEMA4X			
AC/DC surge protection				Type II			
General Data							
Dimensions (W x H x D, mm)				600 x 430 x 210			
Weight (kg)				25			
Topology				Transformerless			
Cooling				Intelligent Fan			
Relatively Humidity				0 - 100 %			
Operating Temperature Range (°C)				- 25 to 60			
Operating Altitude (m)				< 4000			
Standby Consumption (W)				< 10			
Mounting				Wall Bracket			
Communication with RSD				SUNSPEC			
Display & Communication Interfaces				LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G			
Certification & Approvals	NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2						
EMC	EN61000-6-2, EN61000-6-3						

ATOM AES

Sistema ALL IN ONE monofase con batterie a bassa tensione

Sistema residenziale di accumulo dell'energia, batteria adatta per lo stoccaggio dell'energia residenziale, un set che fornisce elettricità per tutta la casa



Best Selling Model

CEI 0-21

▲ Questa immagine serve solo da riferimento



Monitoraggio APP

Monitoraggio in tempo reale e aggiornamento a distanza



IP65

Opzioni di installazione interna ed esterna



Con bilanciamento attiva

Prolungare la vita di esercizio della batteria



Durata ciclo

Fino a 6000+ cicli



Elevata sicurezza

Dotati di BMS avanzati, rilevmento con tensione, Corrente, potenza, temperatura Altre, funzioni di protezione

Parametri fondamentali	1-module	2-module	3-module
Prodotto	5.12KWh	10.24KWh	15.36KWh
Tipo batteria	Batteria LiFePO4		
Profondità dello scarico	DOD 90%		
Numero di batterie	1	2	3
Carica corrente	80A		
Forma d ' onda di uscita	Onda sinusoidale pura		
Efficienza d ' uscita	> 93%		
peso	Circa 80Kg	Circa 135Kg	Circa 190Kg
dimensione	600*228*880mm	600*228*1280mm	600*230*1610mm
Classe protezione	IP65	IP65	IP65
Modo raffreddamento	Raffreddamento dell ' aria		
Intervallo di temperatura operativa	-20-55 °C		
Temperatura utile	-15-40 °C		
Umidità relativa	0-90%RH		
Norma di certificazione	CEI, CB,ROHS, CEI-021, UN38.8+MSDS		