NOVATRA

Power Made Simple

Fusion

All-in-one hybrid storage tower

Automated Management

Over 8000 charge cycles

IP65 Protection Indoor/Outdoor

Simplified Installation

The Novatra Fusion is an all-in-one storage solution integrating a hybrid inverter and modular batteries. Designed to simplify your solar projects, its installation is quick and economical thanks to an ergonomic design. Scalable and compact, it adapts to your future needs.

Achieve automatic savings by optimizing solar energy and off-peak hours.

In case of a power outage, the system switches instantaneously to keep your house running.

Control the entire system easily via a dedicated application for effortless use.

Flexibility

Modular and Scalable Installation from 5kWh to 15kWh

Compact Design for Easy Integration

Functions

Intelligent Self-Consumption Management

Automatic Peak/Off-Peak Optimization

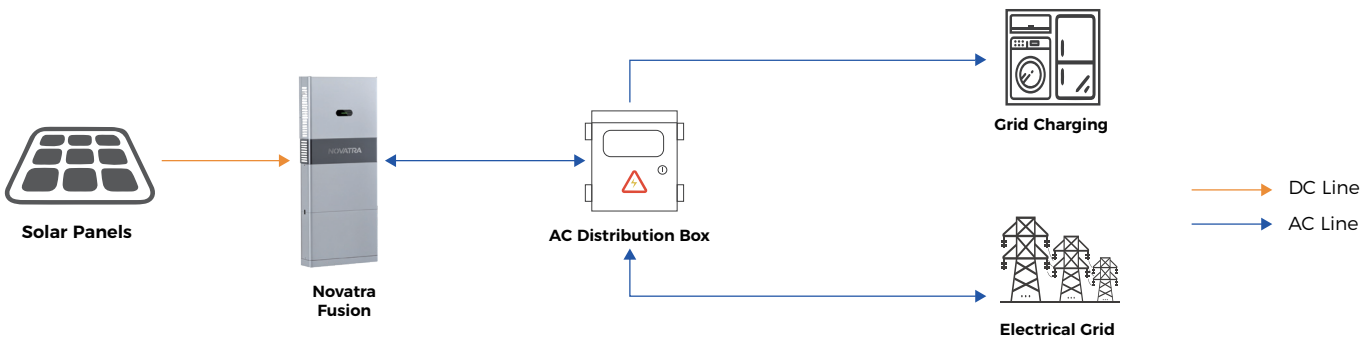
Switch to Backup Power Mode in 10ms

Safety

Integrated Battery Management System (BMS)

Multiple Protections

Silent and Emission-Free Operation



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Hybrid Inverter

Grid	Maximum Grid Feed-in Power	5kW / 6kW
	Nominal Voltage	L+N+PE, 230Vac
	Nominal Frequency	50Hz / 60Hz
Charge	Maximum Power (Off-Grid)	6kVA
	Nominal Output Voltage	L+N+PE, 230Vac
	Nominal Output Frequency	50Hz / 60Hz
	Grid Transfer Time	<10ms
PV	Maximum PV Input Power	6kWp
	MPPT Voltage Range	80Vdc - 550Vdc
	Maximum Input Current per MPPT	18A (MPPT x 2)

Battery

Cell Type		LiFePO4	
Number of Modules	1	2	3
Nominal Energy	5.12 kWh	10.24 kWh	15.36 kWh
Nominal Capacity	100 Ah	200 Ah	300 Ah
Maximum Charge/Discharge Power		6kW	
Round Trip Efficiency		> 95.5 %	
Depth of Discharge (DOD)		90%	
Lifespan		>8000 cycles @25℃, 0.5C	

System

Communication		RS485, CAN, WIFI	
Cooling		Natural Cooling	
Maximum Altitude		<2000m	
Protection Level		IP65	
Acoustic Noise		< 25 dB(A)	
Product Warranty		10 years	
Dimensions (LxWxH)	640*200*1160 mm	640*200*1560 mm	640*200*1960 mm
Weight	≈72 kg	≈116 kg	≈162 kg

Certifications

Safety	IEC62109-1/-2, IEC62477-1, IEC61000-6-1/-2/-3/-4, IEC62619, CE
Grid	VDE-AR-N4105, G99/CEI 0-21, EN50549, C10/11, NRS097-2-1, AS 4777.2, R25, UNE217001, UNE217002, NTS 21

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