

NOVATRA

Power Made Simple

Reflex

AC Retrofit Battery 5120Wh ✓

Self-Consumption & Back-Up ✓

Over 6000 charge cycles ✓

IP65 Protection Indoor/Outdoor ✓

Simplified Installation ✓

With the decrease in feed-in tariffs and the increase in the cost of electricity, self-consumption has become essential to protect your investment and reduce your bills.

Specifically designed for the French market, the Novatра Reflex battery is an AC Plug&Play solution that adapts to any existing photovoltaic installation without additional work.

Equipped with a connected management system and coupled with adaptive AI, it optimizes your solar yield by adapting to your consumption habits and the price of electricity.

FLEXIBLE

Compatible with pre-existing solar systems

Quick Plug & Play Installation (AC Plug)

Modular storage up to 4 units in parallel (20.48kWh)

ROBUSTE

Lifespan
15 years / 6000 cycles

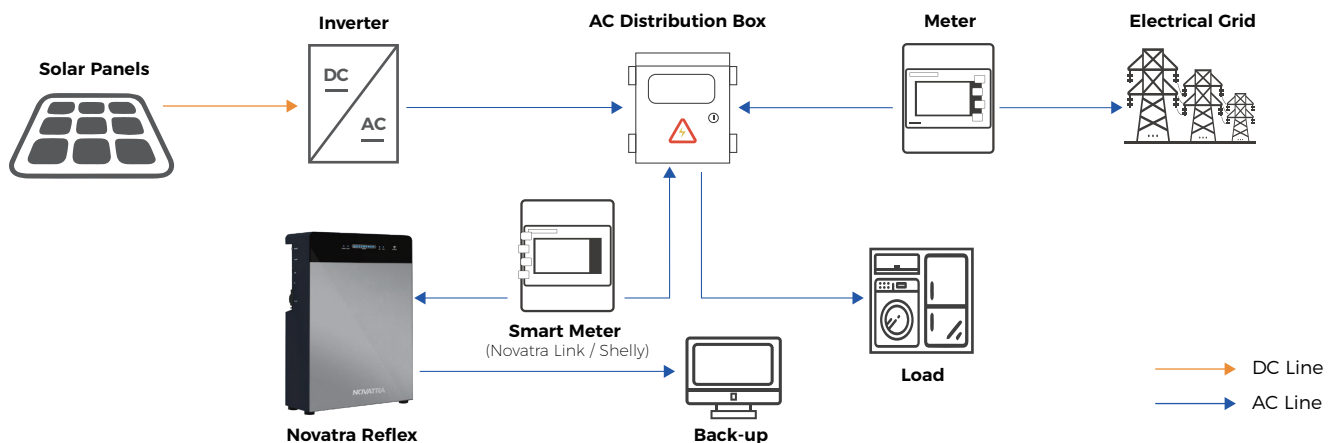
Indoor or outdoor

Temperature resistant
-20°C to 60°C

INTELLIGENT

Real-time monitoring via Smart Meter
(Novatra Link / Shelly)

Optimized control via Novatra
Voltisia AI powered HEMES



BATTERY

Cells	LiFePO ₄ (100Ah, 3.2V)
Storage Capacity	5 120 Wh
Round Trip Efficiency	> 93,5 %
Profondeur de Décharge (DoD)	90%
Depth of Discharge (DoD)	> 6000 cycles (25°C) / >15 years
Expandability	Up to 4 units in parallel

AC PARAMETERS

Max Input Power	2400W
Grid Output Power	800W (Standard) / max 2400W* (Configurable)
Max Output Power (back-up)	3,600 W (for 10 seconds)
Nominal Voltage (grid & back-up)	230 V
Nominal Voltage Range (grid)	184V - 253V
Nominal Frequency (grid & back-up)	50 Hz
Power Factor (grid)	> 0,9
Connection Type (input & output)	Single Phase (L/N/PE)

GENERAL INFORMATION

Dimensions (H x W x D)	715 mm x 520 mm x 181 mm
Weight	60 kg
Product Warranty	10 years
Protection Rating	IP65
Operating Temperature Range	-20°C to +60°C Charge: 0°C to 57°C Discharge: -20°C to 60°C
Cooling	Natural (Convection)
Ambient Humidity	0 % – 95 % (Non-Condensing)
Noise Level	<45 dBA
Communication Modes	Waterproof Aviation Connector
Logistics	392 units / 40HQ Container

STANDARDS

Grid Compliance	EN 50549-1/10 , C10/11 , VDE 4105 , CEI 0-21, IEC 18031-1
Safety	IEC 62619 , IEC 60730-H , IEC 62109-1/2 , IEC 62477-1, UN38.3 , MSDS , IEC 18031-1
Electromagnetic Compatibility (EMC)	EN 61000-1/3 , EN300328 , EN301489 , EN62311 , EN50665
Legal & Environmental Requirements	RoHS, REACH, WEEE

* Activation of this function must comply with local regulations NF C-15-100 and be performed by qualified technicians!

