NOVGEN

NOVS-1000

SunWave-PV HUB/STORAGE BATTERY

BALCONY ESS

By retrofitting the system with the NOVS-1000 and NOVB-2760, you can transform your on-grid PV. System into a hybrid solution, maximizing self-consumption and achieving cost savings. Make full use of clean energy during the day and store it for later use.

LARGE CAPACITY
2.76kWh

LONG LIFE CYCLES
6000

WIDE OPERETING TEMP
-20°C~55°C

EASY INSTALLATION
Plug-and-Play

TECHNICAL PARAMETERS

MODEL	NOVS-1000
PV INPUT | DC	
Recommended. PV Module / W	425x2
MPPT Voltage Range / V	22-55
Startup Voltage / V	24
Max. Input Voltage / V	60
Max. Input Current / A	15x2
Min. Input Voltage / V	20
Max. DC Short Circuit Current / A	20x2
BATTERY DISCHARGE TO NOVS | DC	
Max. Input Power / W	1000
Max. Input Current / A	20
Rated Voltage / V	51.2
OUTPUT TO MICROINVERTER | DC	
Recommended. Microinverter Power / W	less than 1000W
Max. Output Power / W	1000W
Max. Output Current / A	20
Nominal Voltage Range / V	22-60
Peak Efficiency / %	97.3
MPPT Efficiency / %	>99.5
GENERAL DATA	
Operating Ambient Temperature Range / °C	-40~65
Relative Humidity Range	0-100%
Dimensions (W x H x D) / mm	180 x 244 x 31
Weight (not including battery) / kg	2.2
Communication Method	WiFi
Protection Class	IP67
Overvoltage / Overcurrent / Short Circuit / Temperature Protection	Integrated
INPUT / OUTPUT - BATTERY	
Nominal Capacity / Ah	54
Nominal Energy / kWh	2.76
Nominal Voltage / V	51.2
Working Voltage Range/ V	44.8-57.6
Max Charge / Discharge Current / A	54
BATTERY DATA	
Battery Type	LiFePO4
Cycle Life/Cycles	6000
Working Temperature / °C	0-55
Protection Class	IP65
Battery Voltage / VdC	40-60
Max Charge / Discharge current / A	30 / 20
Max Charge / Discharge power / W	1000 / 1000
Dimension(W×D×H) / mm	521.5×255.5×130
Weight / kg	23.5

NOVGEN

NOVM-800

SunWave-MICRO INVERTER

MORE EFFECTIVE
Max Efidency 97.1%

MORE SECURE
Built-in grounding
Lightning protection 6000V

MORE RELIABILITY
IP67

PLUG & PLAY

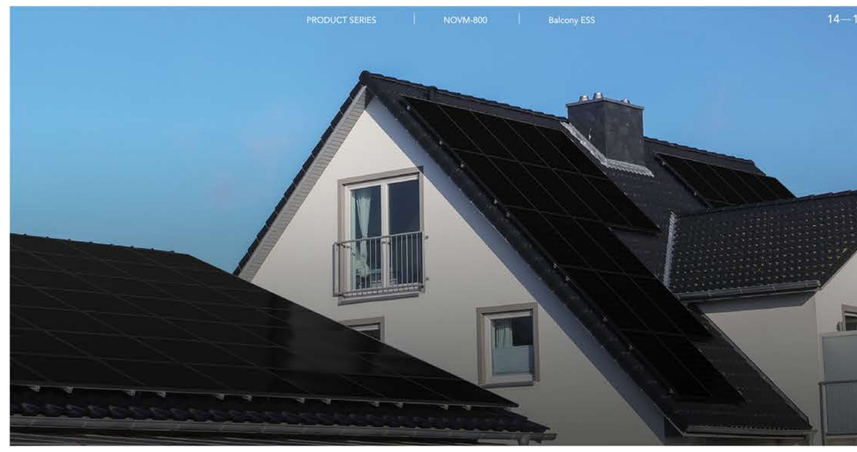
- Builtin WIFI module
- Plug-and-Play connection, flexible installation position
- Designed for DIY, no electricians, no approval need
- Customized Output Socket, OCD friendly
- NOVGEN Viewer provides an appropriate amount of monitoring information

ROBUST, RELIABLE, AND DURABLE

- IP67 isolation
- Top-tier components
- 12 years standard warranty and extendable up to 25 years
- Secondary Landing, double secure
- Low voltage PY syster

MONITORING PLATFORM NOV-VIEWER

- Web-based &. mobile app monitoring
- Data point plotted every 1 minute



TECHNICAL PARAMETERS

MODEL	NOVM-800		
INPUT I DC		**EFFICIENCY**	
Recommended PV Module Power Range /W	425 x 2	Peak Efficiency	97.3%
MPPT Voltage Range /V	22 - 55	MPPT Efficiency	>99.5%
Startup Voltage /V	2	Night Power Consumption /mW	110
Max. Input Voltage /V	60		
Max. Input Curent /A	17 x 2		
Overvoltage Protection Category	II		
OUTPUT I AC		**GENERAL DATA**	
Peak Output Power /VA	800	Operating Temperature Range / °C	-40~65
Max. Continous Output Power /VA	750	Relative Humidity Range	0-100%
Rated Output Voltage /V	230	Dimensions (W x H x D) / mm	268 x 250 x 42
Nominal Output Voltage Range /V	207 ~ 253	Weight / kg	29
Max. Continous Output Current /A	3.26	DC Connector Type	MC4
Nominal Frequency / Range /Hz	50 / Configurable	AC Connection Type	Plugin AC Connector
Power Factor (Nominal/Adjustable Range)	1.0/0.8 leading	AC Cable Length / m	5 (10, 15, 25 optional)
AC Short Circuit Fault Current Over 3 cycles /Arms	8.2	Communication Method	WiFi
THDi@Rated Power	<3%	Protection Class	IP67
Overvoltage Protection Category	III		

NOVGEN

ULTRA LIGHT 210W

SunWave-SOLAR PANEL

- ULTRA-LIGHT
- FLEXIBLE TECHNOLOGY
- IP67
- PLUG AND PLAY
- EASY TO INSTALL
- EXTREMELY WEATHER RESISTANT

WARRANTY

12-year material and workmanship warranty
25-year linear power warranty (attenuation ≤ 2% in the first year, ≤ 0.55% per year thereafter)

ACCESSORIES

Micro inverter 800W

5m AC7-7 adapter cable

2m MC4 to MC4

Cable Tie x13

TECHNICAL PARAMETERS

SPECIFICATION		ELECTRICAL SPECIFICATIONS	
Model	ULTRA LIGHT 210W	Rated Peak Power (Pmax)	210 W
		Open Circuit Voltage (Voc)	49.2V
MECHANICAL SPECIFICATIONS		Short Circuit current (Isc)	5.36 A
Solar Cell Type	Monocrystalline 166mm half cell	Maximum Power Voltage(Vmp)	414V
Number of batteries	72 (12 x 6)	Maximum Power Current (Imp)	5.07 A
Dimensions(LxWxD)	42.6 x 43.5 x 01in(1083 x 1104 x 3 mm)	Module Efficiency	19.3%
Net Product Weight	4.3 kg	Operating Temperature	-40F to 185(-40°c to 85°c)
Backsheet Color	White	Maximum system voltage	DC1000 V (EC)
Frame	Frameless	Maximum series fuse current rating	20 A
Protection Level	IP67	Application Level	Class A
Output cable	TuV 4.0 mm²	Power Tolerance	±5%
Wire length	(+)450m,(-)450mm,or customized	Standard Test Conditions	1000w/m2, 25°C,AM.5
Connector	MC4 compatible		