

NOVA

HOME ENERGY PROTECTOR

2000 PRO

YOSHOPO



GVE



Ultra-thin Design

14.3kWh Single Box
297mm Box Thickness

Backup Power

< 10ms Grid/off-grid Switch Time
Supports Critical Off-grid Loads

PV Energy Storage

1.6x Capacity Ration
Supports 2 MPPT
Optimizes PV Power Output

Smart Remote App

Bluetooth/Wi-Fi Connectivity
Real-time System Status
Remote Maintenance Upgrade

Ultimate Safety

LFP Battery
IP66 Dust and Waterproof
DC Arc Protection

Extended Lifespan

Cycle Life $\geq$ 8000
10-year Battery Warranty
15-year Paid Extended Warranty



Nova 2000 PRO		
System Model	M2-5-14.3	M2-6-14.3
System Specifications		
Battery Type	LFP	
Battery Module	BB-LFP-280Ah-P	
Inverter Module Model	Y2-H1P5K-L	Y2-H1P6K-L
Cycle Life (@25°C)	≥8000	
Usable capacity	14.3kWh	
Maximum Output Power	5kW	6kW
No. of Battery Modules	1	
Grid-to-Off-Grid Switching Time	< 10ms	
Communication		
Display	SOC Status Indicator, Operational status, APP	
Communication	Ethernet, Wi-Fi, Bluetooth (for connecting to the APP)	
Rated AC Frequency	50/60Hz	
AC Input		
Rated Input Voltage (3/N/PE)	230Vac	
Maximum Input Current	32A	40A
Maximum Bypass Input Power	5kW	6kW
AC Output		
Rated Output Voltage (3/N/PE)	230Vac	
Rated Output Current	21.7A	36.4A
PV Input		
MPPT Voltage Range	90-520Vdc	
Maximun Input Power of PV	8	9.6
PV String Quantity	2	
Maximum Input Current	16/16	
Maximum Input Short Circuit Current	24/24	
General Specifications		
Dimension (W×D×H)	525×297×1695 mm	
Weight	129kg	
Installation	Wall-mounted	
Operating Temperature Range	-20°C~45°C	
Operating Altitude	< 2000m	
Relative Humidity Range	5% ~ 95%	
Ingress Protection	IP66	
Standard Compliance		
Safety Certifications	IEC 62109-1, IEC 62109-2, IEC 61000-6-1, IEC 61000-6-3	
Grid Certifications	VDE-AR-N 4105, EN 50549-1, TORErzeugerTypA, OVE-RichtlinieR25	
Battery System Certifications	IEC 62619, UN 38.3, CE-EMC, IEC 60730-1	