

XPro

Household all-in-one Energy System

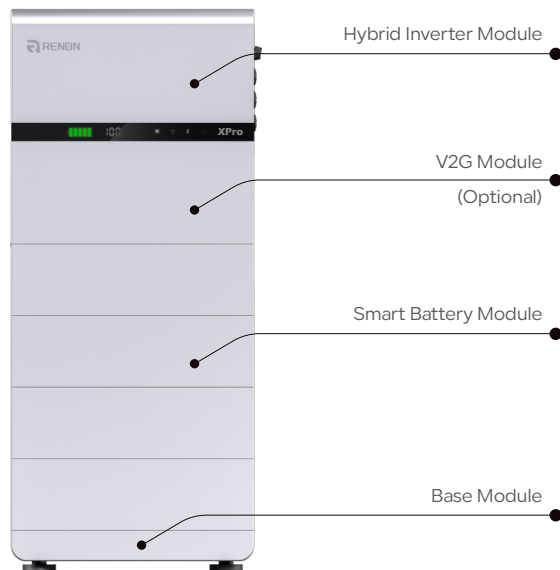
All-in-One Design: XPro combines battery modules, a hybrid inverter module, and a V2G module into a single compact unit. With a pre-wired installation, it can be set up in under 15 minutes, saving time, space, and labor.

Smart Energy Control: Powered by a cloud-based Energy Management System (EMS), XPro enables real-time monitoring, remote control, remote O&M, intelligent scheduling, VPP integration, AI-driven data management, and unified energy asset management, maximizing the value of energy storage assets.

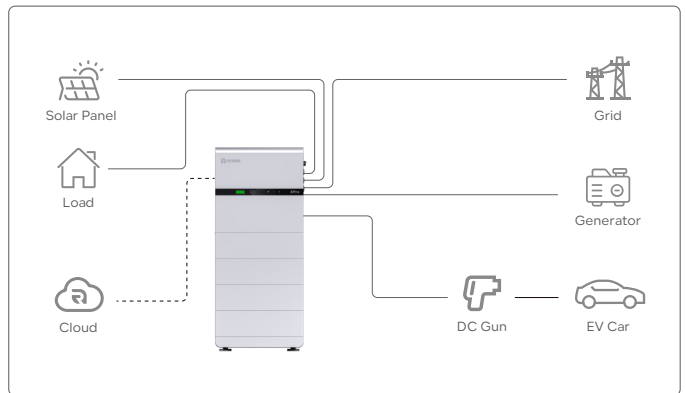
Protective Design: XPro features an IP65-rated enclosure that effectively resists dust, water, and corrosive elements such as sand and salt mist. Engineered for harsh environments, it ensures stable operation in coastal, desert, and high-humidity or rainy conditions.



Product Details



System Layout



Application Scenario



Battery Energy Storage					
Cell Chemistry	LiFePO4				
Product Module QTY	2	3	4	5	6
Nominal Energy (kWh)	16.076	24.114	32.152	40.19	48.228
Usable Energy Capacity (kWh)	15.4	23.1	30.8	38.5	46.2
Battery Module Voltage Range (Vdc)	US: 350~500 / EU: 600~800				
Max. Charge/discharge Power (kW)	8	12	15	15	15
Peak Charge/discharge Power@10s (kW)	9.6	14.4	15	15	15
PV Input	US		EU		
Max. PV Power (kW)	22.5		40		
PV DC Input Voltage Range (Vdc)	150~550		150 ~ 950		
Number of MPPT	3		4		
Max. Solar Strings Per MPPT	2		1		
Max. Current per MPPT (A)	26/26/26		16/16/16/16		
AC Input/Output (On-Grid)	US		EU		
Connections	120/240/208V Split Phase		230/400V Three Phase		
Continuous Power to Grid (kW)	15		15		
Continuous Power with Grid/Generator (kW)	48		25		
Frequency (Hz)	50/60		50/60		
Power Factor	±0.8~1.0		±0.8~1.0		
THDi	≤3%		≤3%		
AC Input/Output (Off-Grid)	US		EU		
Connections	120/240/208V Split Phase		230/400V Three Phase		
Continuous AC Power to Load (kW)	15		15		
Surge AC Power for 10sec (kW)	16.5		16.5		
Frequency (Hz)	50/60		50/60		
Power Factor	±0.8~1.0		±0.8~1.0		
THDi	≤3%		≤3%		
Response Time (Grid-Tied to Off-Grid)	10ms		10ms		
DC Output (Optional V2G Module only)	US		EU		
Voltage Range (Vdc)	150~1000		150~1000		
Max. Charge Power (kW)	25		25		
Output Voltage Range (Vdc)	150~1000(CCS1/CCS2) / 150~500(CHAdeMO)		150~1000(CCS1/CCS2) / 150~500(CHAdeMO)		
Max. Charge Power (A)	80		80		
Charging Interfaces	NACS, CHAdeMO, CCS1/CCS2				
General Parameters					
Weight (kg/lb)	227/500.5	304.5/671.3	382/842.2	460/1014.1	536.8/1183.4
Dimensions - W*D (mm/in)	840*346.5/33.1*13.6				
Dimensions - H (mm/in)	1330/52.36	1560/61.42	1790/70.47	2020/79.53	2250/88.58
IP Rating	IP65				
Cycle Life	8000 Cycles				
Designed Calendar Life	10 years				
Battery Certifications	UL1741,UL1741SB,UL1741 CRD,IEE 1547-2018,IEEE1547.1-2020 UL1998,UL991,UL1699B,CP 65, FCC Part 15 Class B, IEC 62619, UN 38.3, CEI 0-21, EN-61000				
Inverter Certifications	UL1741, UL1741SB, UL1741 CRD,UL1998, UL991, UL1699B, CP 65, FCC Part 15 Class B				
Storage Temperature Range (°C/°F)	-25~60/-13~140				
Operating Temperature Range (°C/°F)	-20~55/-4~131				
Relative Humidity Range (RH)	5~95%				
Max. Operating Altitude (m/ft)	4000/13123				
Parallel Capacity	Up to 12				
Communication	4G, Wifi, Ethernet, CAN, RS485				