

Pro

Pro 15



Pro 15
15kW Single-phase All-in-One Residential
Energy Storage System

15 kW

Max. 15kW off-grid output,
supporting any household
loads anywhere

50%

All-in-one design,
5 in 1 integrated switch,
easy installation,
saving 50% installation time

180mm

180mm industry leading
thinnest design, light and
modular design, easy installation,
saving garage space

Specification	Pro 5	Pro 10	Pro 15
PV Input			
Recommended max. PV input power	20000Wp	20000Wp	22500 Wp
Max. PV input voltage		550V	
Min. PV input voltage / Startup input voltage		40 V / 50 V	
Rated PV input voltage		360 V	
MPPT voltage range		90V-550 V	
No. of independent MPPT inputs		4	
No. of PV strings per MPPT		1 / 1 / 1 / 1	
Max. PV input current		64 A (16 A / 16 A / 16 A / 16 A)	
Max. DC short-circuit current		80 A (20 A / 20 A / 20 A / 20 A)	
Max. current for input connector		20A	
Battery Data			
Battery voltage range		80 V -460 V	
Max. charge / discharge current		45A	
Max. charge / discharge power		9,000W/14,500W	
Battery Expansion		1~2 series-connected 7.7 kWh high-voltage battery modules	
AC Input & Output			
Max. AC power from grid		14,500 VA	
Rated AC output power	5000W	9999W	14,500 W
Max. AC output apparent power	5000W	9999W	14,500VA
Max. AC output current	23A	45.5A	63A
Rated AC voltage		1 / N / PE, 220 V / 230 V / 240V	
AC voltage range		154V~276V	
Rated grid frequency		50 Hz / 60Hz	
Grid frequency range		45Hz~55Hz / 55Hz~65Hz	
Harmonic (THD)		< 2 % (at rated power)	
Power factor at rated power / Adjustable power factor		> 0.99 / 0.8 leading-0.8 lagging	
Backup Data (On Grid Mode)			
Rated output power for backup load		14,500 W	
Rated output current for backup load		63 A	
Backup Data(Off-grid Mode)			
Rated voltage		1 / N / PE, 220 V / 230 V / 240V(± 2 %)	
Rated grid frequency		50 Hz / 60Hz (± 2 %)	
Output voltage harmonic (THD)		< 2 %	
Switch time to emergency mode		< 10 ms	
Rated output power		14,500 W / 14,500 VA	
Peak output power		15,950 VA, 10 s	
Efficiency			
Max. efficiency / European efficiency		97.5 % / 97.1 %	
General Data			
Topology (solar / battery)		Transformerless / Transformerless	
Degree of protection		IP65	
Dimensions (W * H * D)		730 mm * 437 mm * 180 mm	
Weight		42kg	
Cooling method		Natural cooling/forced air cooling	
DI / DO		DI * 1 / DO * 2 / DRM	
Ambient temperature range		-20°C ~ +60°C	
Display		LCD display and LED indicator	
Monitor		RS485, WLAN, Ethernet, CAN	
Warranty		5 Year Product Warranty(optional 10 year), 10 Year Battery Performance Life	
Certification & Standard			
Certification		CB, CE, UKCA, SONCAP, RCM, ROHS	
Standard		IEC/EN 62109-1, IEC/EN 62109-2,IEC 62619,IEC 60730-1 Appendix H,IEC/EN 62368-1, EN IEC 61000-6-1/3,IEC 61000-2-2,CISPR 11,IEC 60529,IEC 60068-2-52,AS/NZS 4777.2, IEC 60947.1,AS 60947.3,VDE-AR-N 4105,EN 50549-1,G98,G99,UN38.3,MSDS	

Cycle life *:Test Conditions,90% DOD, 0.5C Charge & 1C Discharge at +25±2°C.