

# Pro 15

## 15KW Single-phase All-in-One Residential Energy Storage System

The system is an all-in-one design that can be paired with up to two 7.77kWh batteries for an expandable storage capacity of 15.54kWh; With parallel battery pack technology, the system can be expanded to a maximum of 31.08kWh.



- Four MPPT inputs. MPPT supports over 200% input.
- Maximum efficiency up to 97.5%.
- 230V/63A off-grid output power up to 15KW, support full load power supply for home.
- EPS load works normally during remote upgrade and USB flash drive upgrade.
- Back-up load switching time less than 10ms.
- Built-in switch control box, which can manually select EPS or power grid to supply power to Back-up load.
- Supports diesel generator access and multiple off-grid parallel operation.
- Built-in AC air switch/PV switch/EPS air switch/battery air switch/meter with push-in connecting and battery stacking for easier and more efficient installation.

Model	Pro 15	
<b>Input ( DC )</b>		
Recommended max. PV input power	20000 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	
<b>Battery Data</b>		
Battery voltage range	80 V – 460 V	
Max. charge / discharge current	45A	
Max. charge / discharge power	9000W/14500W	
Battery Expansion	1 ~ 2 series-connected 7.7 kWh high-voltage battery modules	
<b>Input &amp; Output ( AC )</b>		
Max. AC power from grid	14500 VA	
Rated AC output power	14500W	AU/9999W
Max. AC output apparent power	14500VA	AU/9999VA
Max. AC output current	63 A	AU/45.5 A
Rated AC voltage	1 / N / PE, 220 V / 230 V / 240V	
Rated grid frequency	50 Hz / 60Hz	
Harmonic ( THD )	< 2 % ( at rated power )	
Power factor at rated power / Adjustable power factor	> 0.99 / 0.8 leading – 0.8 lagging	
<b>Backup Data ( On Grid Mode )</b>		
Rated output power for backup load	14500 W	
Rated output current for backup load	63 A	
<b>Backup Data( Off-grid Mode )</b>		
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	14500 W / 14500 VA	
Peak output power	15950 VA, 10 s	
<b>Efficiency</b>		
Max. efficiency / European efficiency	97.5 % / 97.1 %	
<b>General Data</b>		
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	
<b>Certification &amp; Standard</b>		
Certification	CB, CE, UKCA, SONCAR, 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 61 000-2-2, 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.