

# Pro

Pro 5



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5kW Single-phase All-in-One Residential Energy Storage System

### 5-layer

5-layer battery protection, top-tier safety:  
Full coverage temperature detection,  
BMS intelligent control, Built-in DC breaker,  
Internal fire extinguisher, Decompression valve

### 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 3.6	Pro 4.6	Pro 5
<b>Input ( DC )</b>			
Recommended max. PV input power		10000W	
Max. PV input voltage		550V	
Min. PV input voltage / Startup input voltage		40V/50V	
Rated PV input voltage		360V	
MPPT voltage range		90V-550V	
No. of independent MPPT inputs		2	
No. of PV strings per MPPT		1 / 1	
Max. PV input current		32A(16A/ 16A)	
Max. DC short-circuit current		40A(20A /20A)	
Max. current for input connector		20A	
<b>Battery Data</b>			
Battery voltage range		100V~460V	
Max. charge / discharge current		35A	
Max. charge / discharge power		5000W/5000w	
Battery Expansion		1-2 series-connected 7.7kWh high-voltage battery modules	
<b>AC Input &amp; Output</b>			
Max. AC power from grid		7360VA	
Rated AC output power	3680W	4600W	5000W
Max. AC output apparent power		120% rated,10s	
Max. AC output current	16A	21.7(Germany 20)	23.9A(Germany 20,AU 21.7)
Rated AC voltage		1/N/PE,220V/ 230V /240V	
AC voltage range		154V-276V	
Rated grid frequency		50Hz/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	
<b>Backup Data ( On Grid Mode )</b>			
Rated output power for backup load	3680W	4600W	5000W
Rated output current for backup load	16A	21.7A	21.7A
<b>Backup Data( Off-grid Mode )</b>			
Rated voltage		1/N/PE,220V / 230V /240V( ±2% )	
Rated grid frequency		50Hz/ 60Hz( ±2% )	
Output voltage harmonic ( THD )		<2%	
Switch time to emergency mode		<10ms	
Rated output power	3680W/3680W	4600W/4600W	5000W / 5000VA
Peak output power		120% rated, 10s	
<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*510*180mm (No pads included)	
Weight		40kg	
Cooling method		Natural cooling	
DI / DO		DI * 1 / DO * 2 / DRM	
Ambient temperature range		-20°C ~ +60°C	
Relative humidity (Non-condensing)		15%-95%	
Display		LED digital display and LED indicator	
Monitor		Rs485, WLAN, Ethernet, CAN	
Warranty		5Year Product Warranty(optional 10 year), 10 Year Battery Performance Life	
<b>Certification &amp; Standard</b>			
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.