

# Pro

Pro 5c



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5kW AC Coupled 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 3.6c	Pro 4.6c	Pro 5c
<b>AC Input &amp; Output</b>			
Nominal AC output power [W]	3680	4600	5,000 (Germany 4,600, AU 4,999)
Max. AC output apparent power [VA]	3680	4999(Germany 4600)	5,500 [ 4,600 for VDE4105, 4,999 for AS4777]
Max. AC output current [A]	16	21.7(Germany 20)	23.9 (Germany 20, AU 21.7)
Max. AC input apparent power [VA]		7,360	
Max. AC input current [A]		32	
Nominal AC voltage		220 / 230 / 240	
Nominal grid frequency [Hz]		50 / 60	
Adjustable power factor		0.8 leading ~ 0.8 lagging	
THDI,rated power [%]		< 2	
<b>Battery Data</b>			
Battery voltage range [V]		100~460	
Max.continuous charge / discharge current [A]		35	
<b>Eps(Off-grid Or Back-up) Output (With Battery)</b>			
Nominal output power [W]	3680	4600	5000
Peak apparent power [VA, s]		120% rated, 10s	
Max.continuous current [A]	16	21.7	21.7
Nominal Voltage [V];Frequency [Hz]		230VAC, 50/60	
Switch time [ms]		< 10	
<b>General Data</b>			
Battery charge / discharge efficiency [%]		97.0 / 97.0	
Degree of protection		IP65	
Operating temperature range [°C]		-25 ~ +60 (Derating above +45)	
Max. operation altitude [m]		3,000 (>2000 derating)	
Relative humidity [%]		0 ~ 100(no condensation)	
Typical noise emission [dB]		<30	
Storage temperature [°C]		-40 ~ +65	
Dimensions [W * H * D] [mm]		730 * 355 * 180	
Net Weight [kg]		≈40	
Cooling concept		Natural cooling	
Communication interfaces		PV_CT,GRID_CT / Meter (optional), External control RS485, DRM, USB Upgrade	
Display		LCD display and LED indicator	
<b>Battery Parameters</b>			
Cell Type		LFP(LiFePO4)	
Battery Module		172.8V,45Ah,7.776KWh	
Cycle life *		6,000 cycles	
Depth of Discharge(DOD)		90%	
Communication		CAN	
Cooling method		Natural convection	
Operating temperature range		charge: 0~55°C / Discharge: -20~60°C	
Weight		87kg	
Dimensions (W * H * D)		730*510*180mm (No pads included)	
<b>Certification &amp; Standard</b>			
Certification		CB, CE, UKCA, SONCAP, RCM, ROHS	

Standard IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62477-1, 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.