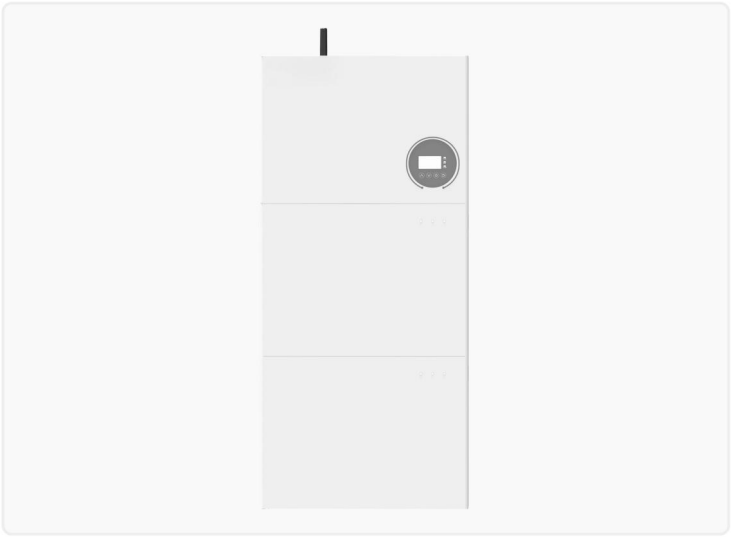
PC-YC All-in-One ESS



All-in-One ESS
一体式储能系统

三相 • 单相灵活适配
Three-Phase & Single-Phase Compatible

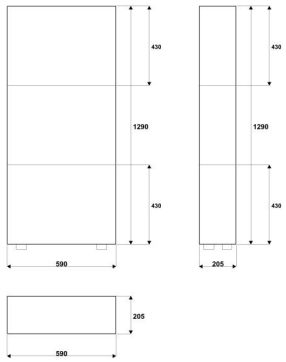
单模块 5 kWh • 最多堆叠 6 个
5 kWh per Module, Stack up to 6 (30 kWh)

系统效率高达 98%
Up to 98% System Efficiency

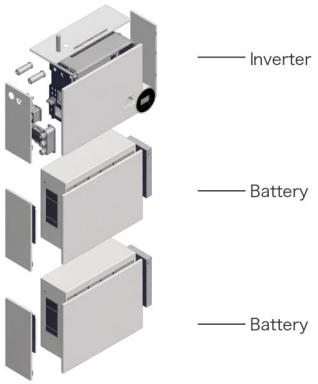
200% 光伏超配输入
200% PV Input Oversizing

安装提效 50% • 省 30% 人工
50% Faster Install, Save 30% Labor Cost

几何尺寸 Dimensions



结构 Structure



参数 Parameter	单位 Unit	YC 16	YC 20	YC 22.5
最大光伏输入功率 Max. PV Input Power	kW	16	20	22.5
最大光伏输入电压 Max. PV Input Voltage	V	1100	1100	1100
MPPT 电压范围 MPPT Range	V	140-950	140-950	140-950
最大输入电流 Max. Input Current	A	16	16	16
电池类型 Battery Type		LFP	LFP	LFP
电池容量 Battery Capacity	kWh	4.8	4.8	4.8
可用容量 Usable Capacity	kWh	4.6	4.6	4.6
放电深度 Depth Of Discharge (DoD)		0.96	0.96	0.96
电池额定电压 Nominal Battery Voltage	V	96	96	96
工作电压范围 Operating Voltage Range	V	90-108	90-108	90-108
最大充电电流 Max. Charging Current	A	50	50	50
最大放电电流 Max. Discharging Current	A	50	50	50
循环寿命 Cycle Lifetime		8000	8000	8000
串并联方式 Series / Parallel		1-6 In Series	1-6 In Series	1-6 In Series
工作温度范围 Operating Temperature Range	°C	-25 - 60	-25 - 60	-25 - 60
尺寸（宽×高×深） Dimensions (W×H×D)	mm	590×416×205	590×416×205	590×416×205
重量 Weight	kg	29	29	29
尺寸（宽×高×深）- 电池 Dimensions (W×H×D) - Battery	mm	590×430×205	590×430×205	590×430×205
重量 - 电池 Weight - Battery	kg	53.4	53.4	53.4
相对湿度 Relative Humidity		0 ~ 100% (Non-Condensing)	0 ~ 100% (Non-Condensing)	0 ~ 100% (Non-Condensing)
防护等级 Protection Degree		IP65	IP65	IP65
散热方式 Cooling		Natural Convection	Natural Convection	Natural Convection
噪音 Noise	dB	< 30	< 30	< 30