



中节能太阳能
CECEP SOLAR

Grid connected energy storage product series

Small, but Big

Stylish beauty with multi-functions

UPS ready

Switch to UPS within 10ms,
no harm to electrical appliance.



Compact light

The smallest and lightest AC couple you can find.

24/7 monitoring

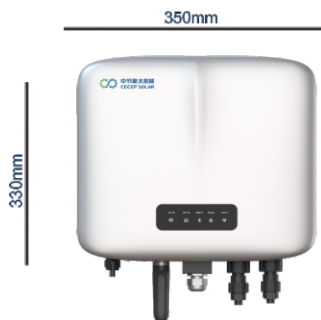
Copia is managed 24/7 by the ECOS, your house power map is all in your hand.

Water Proof

Touch Safe

Quiet

Technical Specifications



Battery type

Li-Ion

Power

5kW AC output

EPS output

5kW EPS rated power
6kW/60sec peak power

Efficiency

96.8%

Working temperature

-31°F to 140°F / -35°C to 60°C

Working Mode

Self-powered/Back up
/Load shifting

Warranty

5 years

Weight

11kg

Certification

IEC62477-1, IEC62040-1
IEC62109-1
EN61000-6-1/2/3/4

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股票代码/Stock code: 000591 太阳能



Grid connected energy storage product series
并网储能产品系列

Models 型号	CECES-SPA3.6H		CECES-SPA5.0H
Battery 电池			
Type 电池种类	Li-Ion 磷酸铁锂		
Battry Voltage Range[V] 电池电压范围	85-450		
Start-up Voltage 启动电压	90		
Max. charge / discharge current[A] 最大充放电电流	25		25
AC Output/Input Data(On-grid) 交流输出/输入 (并网)			
Nominal AC power[W] 额定功率	3680		5000
Max.Apparent power output to Utility Grid[VA] 最大输出视在功率	3680		5000
Max.Apparent power output from Utility Grid[VA] 最大输入视在功率	7200		10000
Rated grid voltage[V] 额定电网电压	230		
Rated frequency[Hz] 额定频率	50/60		
MAX AC current to Utility Grid[A] 最大输出电流	16		21.7
Max AC current From Utility Grid[A] 最大输入电流	43.4		43.4
Displacement power factor 功率因素	~1(-0.8--0.8)		
Thdi(@Rate power) 谐波 (@额定功率)	<3%		
EPS output(with battery) EPS输出 (带电池)			
Max.apparent power/EPS rated power [VA] 最大视在功率/EPS额定功率	3680		5000
Apparent power@Peak value[VA] 峰值功率	4320,60SEC		6000,60SEC
MAX.Output Current(A) 最大输出电流	16/18		21.7/24
Switch time between on grid and off grid [ms] 并离网切换时间	<10		
Rated voltage[V] 额定电压	230(+~2%)		
Rated frequency[Hz] 额定频率	50/60(+~0.2%)		
Thdv(Linear laod) 谐波 (@线性负载)	<3%		
Efficiency效率			
Max. efficiency 最大效率	96.8%		96.8%
Protect保护			
Over voltage or low voltage of battery 过压/欠压保护	Intergrated集成		
Ouput short ciucuit 输出短路保护	Intergrated集成		
Anti-island 防孤岛保护	Intergrated集成		
Insulation Resistor detection 绝缘阻抗检测	Intergrated集成		
Residual Current detection 残余电流检测	Intergrated集成		
Output over voltage 输出过压保护	Intergrated集成		
Ouput over current 输出过流保护	Intergrated集成		
Certification 认证			
Safety 安全	IEC62109-1, IEC62040-1 , IEC62477-1		IEC62477-1, IEC62040-1、 IEC62477-1C62040-1、IEC62477-1
EMC	EN61000-6-1/2/3/4		EN61000-6-1/2/3/4
Normal parameter常规参数			
Dimensions (W*H*D)[mm] 尺寸	370*31*146		
Weight[Kg] 重量	11		
Installation mode 安装方式	Wall Bracket挂墙安装		
Operating temperature rage(°C) 工作温度	-35~60		
Humidity 相对湿度	0~95%		
Altitude[m] 海拔	3000		
Protection class 防护等级	IP65		
Topology 拓扑方式	Transformerless无变压器		
Standby cosumption[W] 待机功耗	<5W		
Cooling concept 冷却方式	Natural Converction自然冷却		
Noise emmission(typical)[dB] 噪声等级	<35		
Display 显示方式	LED&APP		
BMS communication BMS通讯	CAN&RS485		
Ammeter communication 电表通讯	RS485		
Network communication 网络	R485, Wi-Fi		