

## SMART ESS SOLUTION ECube Series



Simple connection,  
saving installation time and cost.



Compatible with RS485, CAN,  
RS232 communications.



Fashion appearance, light  
weight, smart operation.



Easy to expansion,  
maximum 4 battery cabinets parallel.



IP54, modular design,  
saving space.



Intelligent residential  
energy management system.

### ▶ APPLICATION SCENARIOS



Villa



Telecom base station



Household



Island cottage



Pasture



Farmhouse

#### OFFICE IN CHINA

Hangzhou Saintish Technology Co., Ltd.  
7F, Science and Innovation Building, Qingshanhu, Hangzhou  
Tel: +86 571 6385 0363  
Sales Email: sales@saintishtech.com  
www.snjopower.com | www.saintishtech.com

#### AUSTRALIAN R&D AND CUSTOMER SERVICE CENTER

Zeus Appollo Solar  
QLD office: 32 Crockford Street, Banyo, QLD4014  
WA office: US/30 Adams Drive, Welshpool, WA 6106  
Tel: +61 7 3123 6148 (QLD) +61 8 6311 9906 (WA)  
Service Email: support@zeusappollosolar.com.au  
www.zeusappollo.com

# ▶ TECHNICAL SPECIFICATIONS

Model	ECube 5	ECube 10	ECube 15	ECube 20
General Data				
Battery type	LFP			
Battery module	EPack modules STP48V100//STP51V100			
Module quantity	1 module	2 modules	3 modules	4 modules
Nominal voltage	48V/51.2V			
Nominal capacity	100Ah	200Ah	300Ah	400Ah
Nominal energy	4.8 kWh / 5.12 kWh	9.6 kWh / 10.24 kWh	14.4 kWh / 15.36 kWh	19.2 kWh / 20.48 kWh
Max charging/discharging	1C			
Operating voltage range	42~51V/44.8~54.4V			
System efficiency	0.92			
Self-discharge@25°C	<2%/month			
Communication	CAN/RS485			
Enclosure protection rating	IP54			
Cooling	Natural cooling			
Scalability	≤ 4 cabinets			
Protection	Over voltage & Under voltage/Over current/Short-circuit/Over temperature & Under temperature protection etc.			
Certification & Safety standard	UL1973, IEC62619, IEC62620, CE, UN38.3			
Dimension (W/H/D)	640mm x 660mm x 350mm		640mm x 1200mm x 350mm	
Weight	69kg/71kg	108kg/112kg	168kg/178kg	207kg/219kg
Environment				
Storage temperature	-10 C ~55 C			
Operating temperature	0 C ~45 C			
Altitude	0~4000m (derating over 2000m)			
Relative humidity	0~95% RH			

#### Disclaimer:

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