

Socrates AC690 2.0

Integrated BESS for Grid Applications



SOLUTION AND PRODUCT FEATURES



Simple Solution, Flexibility and Convenience

- Industrial Highest Modularity
- Expandable and Flexible
- Easy Installation
- Intelligent O&M



Advanced System Design, Safety and Reliability

- All-Around Protection
- Multi-level Safety Configuration
- Redundancy Safety Design



Full-Lifecycle Optimization to Maximize Profit

- Enhanced System Efficiency
- Increased System Discharge
- Reduced Power Consumption
- High Availability
- High Energy Density

SYSTEM CONFIGURATION

Model	MU01- E1671P0800A2-G0	MU01- E1253P0600A2-G0	MU01- E0835P0400A2-G0	MU01- E1671P0400A2-G0	MU01- E1671P0200A2-G0
Nominal Energy	1,671kWh	1,253kWh	835kWh	1,671kWh	1,671kWh
Rated Power	800kW	600kW	400kW	400kW	200kW

BATTERY SPECIFICATION

Nominal Voltage	1331.2V
Operating Voltage Range	1040V-1500V
Cell Type	LFP 314Ah
Rated Cell Charge/Discharge Rate	0.5P
Max. DoD	100% (Recommended 90%)
Pack Configuration	1P52S
Rack Configuration	1P416S

PCS SPECIFICATION

Max. DC Voltage	1500V
Min. DC Voltage	1000V
Operating DC Voltage Range	1050V~1500V
Max. AC Power per PCS	250kVA
Nominal AC Voltage	690V
AC Voltage Range	-15%~10% (Adjustable)
Nominal Frequency	50Hz / 45~55Hz, 60Hz / 55~65Hz
Max. Efficiency	98.8%
Harmonic (THDi)	<3% (at nominal power)
Power Factor	>0.99 / 1 leading ~ 1 lagging
Adjustable Range of Reactive Power	-100%~100%

GENERAL SPECIFICATION

Dimensions(L*W*H)	2991mm*2438mm*2896mm
Weight	≤16.5Ton
Cooling Method	Liquid Cooling
BMS Communication	Ethernet
IP Grade	IP55 (Battery & other ACC Compartments)
System Efficiency	Max. 90.8%
Altitude	< 2000m
Noise	<75dB (1m Away from Equipment)
Operating Temperature Range	-25 °C - +55 °C
Relative Humidity Range	0%~95% (no condensing)
Cetification	IEC62619, IEC 63056, IEC62477, IEC61000,EN50549, NTS2.1, UN38.3, UN3536, RoHS