



AMO 3060 | AMO 50100 | AMO 100200

C&I ESS Series

High Voltage Cabinet Energy Storage System



Easy to install and deploy with large space utilization



Unique modular design & flexible function configuration



With self-use, peak shifting, forced charging & discharging and other working modes



Strong scalability, simple & convenient expansion on both AC and DC sides



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MODULE	AMO 3060	AMO 50100	AMO 100200
Battery parameters			
Number of battery packs(51.2V)	12	10	14
Rated voltage	614.4V	512V	716.8V
Voltage range	537.5~691.2V	448~576V	627.2~806.4V
Rated energy	60kWh	102.4kWh	200.074kWh
Max. charging & discharging current	100A		
Communication	RS485/CAN		
Cycle life	6000times		
PV parameters			
Max.PV input power	39kW	65kW	150kW
Rated input voltage	600VDC	600VDC	800VDC
Max.input voltage	1000VDC		
MPPT voltage range	200~850VDC	200~850VDC	480~800VDC
PV input current	36+36+36(A)	36+36+36+36(A)	300(A)
AC side parameters			
AC rated input/output power	30KW	50KW	100KW
AC Max. input/output power	33KVA	55KVA	110KVA
AC rated input/output current	45.6A	75.8A	144A
AC Max. input/output current	60A	83.3A	159A
Voltage	3L/N/PE; 230/400V	3L/N/PE; 230/400V	3L/N/PE; 400V
Frequency	50/60Hz		
THDi	≤3%		
Power Factor	0.8 leading to 0.8 lagging		
System parameters			
Dimension (W*H*D)	1200x2160x750mm	1950x1200x1800mm	1200×1900×800mm&1500×1000×2200mm
Weight	860kg	1980kg	3448kg
Communication	CAN/RS485/WiFi/ETH		
Warranty	5 years		
Enclosure protection rating	IP55		
Cooling	Air cooling		
Environment temperature	-30~50°C		
Humidity	10%~95%RH	10%~95%RH	0%~95%RH
Altitude	<2000m		
Certifications	UN38.3/CE/IEC62619/VDE-AR-N 4105/IEC 62109		

