



AMO-ESS 3060 | AMO-ESS 5060

AMO-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



AMO-ESS Series

MODULE	AMO 3060	AMO 5060
Battery parameters		
Number of battery packs	12V	
Rated voltage	614.4V	
Voltage range	537.5~691.2V	
Rated energy	60kWh	
Max. charging & discharging current	100A	
Communication	RS485/CAN	
Cycle life	6000times	
PV parameters		
Max.PV input power	39kW	65kW
Rated input voltage	600VDC	
Max.input voltage	1000VDC	
MPPT voltage range	200~850VDC	
PV input current	36+36+36(A)	36+36+36+36(A)
AC side parameters		
AC rated input/output power	30kVA	50kVA
AC Max. input/output power	33kVA	55kVA
AC rated input/output current	45.6A	75.8A
AC Max. input/output power	60A	83.3A
Voltage	3L/N/PE; 230/400V	
Frequency	50/60Hz	
THDi	≤3%	
Power Factor	0.8 leading to 0.8 lagging	
System parameters		
Dimension (W*H*D)	1200×2160×750mm	
Weight	860kg	880kg
Communication	CAN/RS485/WiFi/ETH	
Warranty	5 years	
Enclosure protection rating	IP55	
Cooling	Air cooling	
Environment temperature	-30~50°C	
Humidity	10%~95%RH	
Altitude	<2000m	
Certifications	UN38.3/CE/IEC62619/VDE-AR-N 4105/IEC 62109	



Expansion



Expansion in DC side



Expansion in AC side

