

PS500kW-1MWh PV Energy Storage System

500kW-1MWh Energy Storage System	
Model No.	PS500kW-1MWh
Lithium Battery	
Battery Capacity	1.05 MWh
Battery Type	Lithium Iron Phosphate Battery
Battery Warranty	5000 cycle times (DOD90% & 25℃)
AC Input (Charging)	
AC Input Voltage	400 VAC
Power Factor	-1 ~ +1
AC Input Frequency	50Hz / 60Hz ± 2.5Hz
Max Charge Power	500 kW
Max Efficiency	98.2%
AC Output (Discharging)	
Rated AC Output Power	500kW
AC Output Voltage	400 VAC / 380VAC
AC Output Frequency	50Hz / 60Hz ± 2.5Hz
Max Efficiency	98.2%
PV Input	
Max PV Input Power	550 kWp
MPPT Input Voltage Range	450~850 VDC
MPPT Number	1
MPPT Efficiency	99.50%
Max Efficiency	99.01%
Unique Function	
Grid-Level Function	peak shaving and valley filling for electric network
Operational Mode	Off-Grid Mode / On-Grid Mode / On & Off grid Mode (Optional)
UPS Function	YES
Black Start Function	YES
Communication Mode	Modbus TCP/IP
Communication Interface	LAN, RS485, CAN
General	
Working Condition	Temperature range -20~50℃, Humidity range 0~95%
Noise and Altitude	70dB, <3000m
Size of PS500kW-1MWh	40 foot container
Weight of PS500kW-1MWh	18 tons
Certification	CE, TUV, IEC, UL, ETL