

SWS

P30E100-AC

P40E100-AC

P50E100-AC

P30E72-AC

P40E86-AC

Smart-Energy Storage Outdoor Cabinet



MODEL

SWS-P30E100-AC | SWS-P40E100-AC
SWS-P50E100-AC | SWS-P30E72-AC
SWS-P40E86-AC



Support multi-stage parallel, diesel port can be in parallel, off-grid port can be in parallel



Lightning protection Integrated (Type II)



ALL-IN-ONE modularized design



Intelligent operation management



Built-in EMS function for improved energy efficiency management

Model	SWS-P30E100-AC	SWS-P40E100-AC	SWS-P50E100-AC	SWS-P30E72-AC	SWS-P40E86-AC
Pv input parameters					
Maximum input power [W]	60000	80000	100000	60000	80000
Maximum input voltage [V]	1000				
MPPT operating voltage range [V]	180-900				
Maximum input current per circuit [A]	40				
Maximum short-circuit current per circuit [A]	60				
MPPT quantity	3	4	4	3	4
Number of input group strings per MPPT	2				
Grid-connected output parameters (AC)					
Power rating [W]	30000	40000	50000	30000	40000
Maximum vision in power [VA]	33000	44000	55000	33000	44000
Rated voltage	380V/400V,3L/N/PE				
Nominal Frequency	50Hz/60Hz				
Maximum current [A]	43.3	57.7	72.2	43.3	57.7
Power factor range	0.8 ind...0.8 cap				
Current total harmonic distortion (@ rated power)	<3%				
Off-grid output parameters (AC)					
Rated voltage	380V/400V,3L/N/PE				
Nominal Frequency	50Hz/60Hz				
Rated output current [A]	43.3	57.7	72.2	43.3	57.7
Rated output rating [W]	30000	40000	50000	30000	40000
Maximum view at output power @60s [VA]	36000	48000	60000	36000	48000
Maximum view at output power @30s [VA]	45000	60000	75000	45000	60000
And switch time off the grid	<10ms				
Battery parameters					
Operating voltage range [V]	324.8~397.6			232~284	278.4~340.8
Battery model	SWC14.34-H1				
Rated charge / discharge current [A]	140/140				
Maximum charge / discharge current [A]	200/200				
Battery quantity	7			5	6
Single pack battery capacity [kWh]	14.3				
Rated capacity [kWh]	100.1			71.5	85.8
Active volume [kWh]	90.1			64.4	77.2
Temperature controlling system					
Temperature controlling system	Temperature constant humidity air conditioning				
Fire extinguisher system					
Active fire fighting	Detector + thermal aerosol fire extinguishing device				
Passive fire fighting	Thermal aerosol fire-extinguishing unit				
Essential parameter					
Dimensions (W * H * D) [mm]	1000*1960*1250				
Weight [t]	1.3				
Levels of protection	IP55				
Anti-corrosion grade	C4				
Certification					
Transportation	UN38.3				
Safety	IEC62109-1/2、IEC-62477-1				