

Outdoor energy storage system

Model	LES-100H30	LES-100H60	
DC input (Optional for PV side)			
Maximum input voltage [V]	1000		
MPPT voltage range [V]	250 ~ 900		
Number of MPPT channels	3	1	
Maximum MPPT current per channel [A]	25	90	
Input power per channel [kW]	10	60	
DC input (Battery side)			
Support battery type	Lithium battery, lead carbon, lead acid, etc.		
Operating voltage range [V]	250 ~ 650		
Maximum charging current [A]	75	150	
Maximum discharge current [A]	75	150	
Battery configuration capacity [KWh]	100 (lithium battery)		
AC output (Grid side)			
Rated output power [kW]	30	60	
Maximum output apparent power [kVA]	33	66	
Maximum output current [A]	±94.3	±86.6	
Rated grid voltage [VAC]	3/PE, 202(Three-phase three-wire +PE)	3/PE, 400(Three-phase three-wire +PE)	
Rated grid frequency [Hz]	50 / 60		
Grid frequency range [Hz]	45~55 / 55~65		
Total current waveform distortion rate	< 3% (Under rated power)		
DC component	< 0.5% In		
Power factor	> 0.99 (Under rated power)		
Feed phase number/output phase number	3 / 3		
AC output (Load side)			
Rated output power [kW]	30	60	
Maximum output apparent power [kVA]	33	66	
Maximum output current [A]	94.3	86.6	
Rated output voltage [VAC]	3/PE, 202(Three-phase three-wire +PE)	3/PE, 400(Three-phase three-wire +PE)	
Output voltage range [V]	202 (± 10%)	400 (± 10%)	
Rated output frequency [Hz]	50 / 60		
Efficiency			
Maximum efficiency	98.3%		
European efficiency	98.0%		
Protection			
Protection Function	DC reverse connection protection, AC short circuit protection, leakage current protection, grid monitoring, islanding protection, string detection, surge protection		
General Data			
Place	Outdoor vertical installation	Working humidity range	≤95% RH(No condensation)
Net weight [kg]	1500	Cooling method	Intelligent forced air cooling
Protection level	IP54	Maximum working altitude [m]	4000(>3000Derating)
Self-consumption during Shutdown [W]	< 80	Display	LED、APP
Working temperature range [°C]	- 25~+60(>45Derating)	Communication	RS485, Ethernet (optional Bluetooth, WiFi, GPRS)
Remarks			
Input and output AC lightning protection	20KA / 40KA-SPD		
SOC divided interval design	20-30% Backup emergency		