




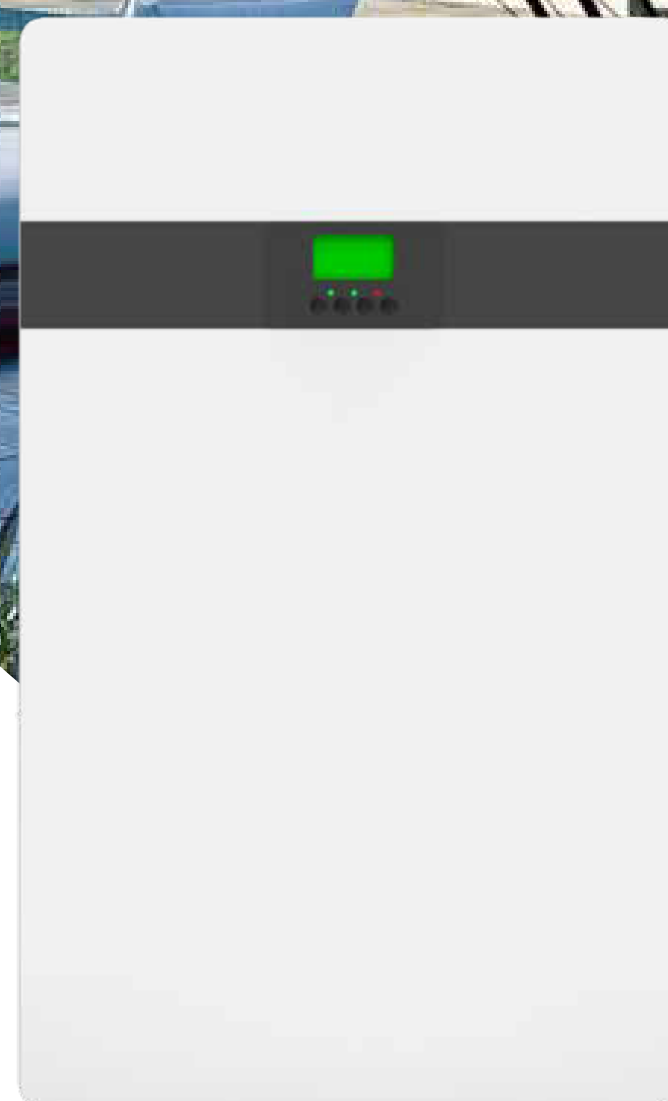


# ALW5050E1

## Residential wall mounted

-  Light storage integrated structure, easy to install indoors
-  High-performance intelligent battery management system, more accurate data, more comprehensive protection
-  Long cycle life
-  UPS uninterruptible power supply, pure sine output, built-in MPPT controller
-  WIFI distribution network, remote monitoring of energy storage system operating status



ALW5050E1	
<b>Battery</b>	
Energy capacity of battery	5kWh
Battery capacity	100AH
Cell type	LiFePO4
Rated battery voltage	51.2V
<b>AC output</b>	
Output rating	5000VA/5000W
Output waveform	pure sine wave
Output voltage	230Vac
Output frequency	50Hz or 60Hz
Maximum efficiency	93%
Overload protection	10s@(100%~140%) ; 5s@(140%~150%)
<b>AC input</b>	
Rated input voltage	230Vac
Input voltage waveform	Sine wave (mains or generator)
Input voltage range	170Vac~280Vac (UPS) ; 90Vac-280Vac (APL)
Incoming frequency	50Hz/ 60Hz (Automatic detection)
Input frequency range	40Hz ~ 65Hz
UPS switching	Typical value 10ms; Max. 20ms
AC Maximum charging current	80A(Battery terminal)
<b>PV input</b>	
PV maximum current	18A
MPPT maximum power tracking	YES
Solar charging starting voltage	150V
MPPT voltage range	60V-500V
Maximum open circuit voltage of photovoltaic	500V
Maximum photovoltaic charging current	100A
<b>Other Parameters</b>	
Communication interface	RS232
Charging temperature range	0~55°C
Discharge temperature range	-20~60°C
Ambient humidity	MAX 90%RH
Storage ambient temperature	-20°C~50°C (15°C~25°C best)
Battery cycle life	> 4000 times(80% capacity retention ratio)
Service life	Ten years
IP code	IP21
Stuttle	58kg
Size LxWxH(mm)	799*523*173
Product certification	IEC、CE、ROHS、UN38.3、Eu battery directive