



MAKE INTEGRATION TALK  
MADE IN TAIWAN

## ALE 48 ESS - ALE 48V Hybrid RESS



• HOUSEHOLD, INDUSTRIAL & COMMERCIAL FIELD



Residential Energy Storage System

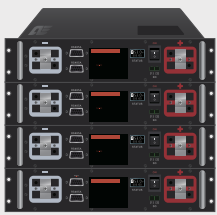


Backup Power

# ALE 48 ESS - ALE 48V HYBRID RESS

The system is a light lithium-ion battery box and can be used in household, commercial and industrial way.

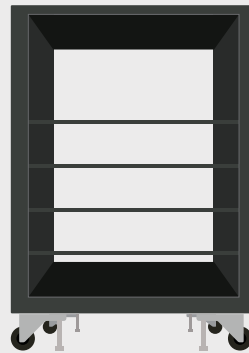
ALE 48V Hybrid RESS System can be applied in energy storage for Solar Energy, Base Station Switching Machine, or other green energy equipment.



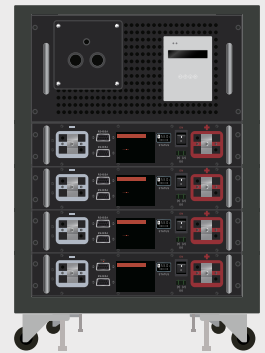
ALE 48 SWOP BOX \*4  
Choices of 2 - 4 modules



Inverter \*1

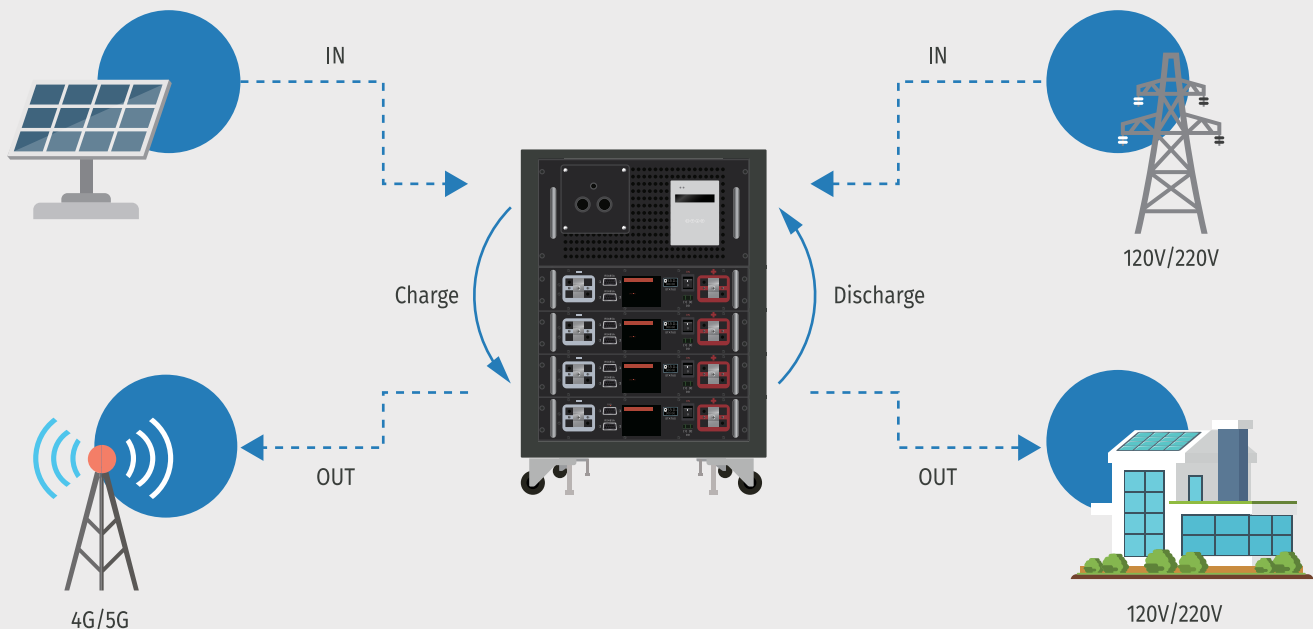


Rack \*1  
(6\*2U)



ALE 48V Hybrid RESS

## HOW SYSTEM WORKS



# ALE 48 SWOP BOX



ALE 48 SWOP BOX \*1

## ALE 48 SWOP BOX SPECIFICATIONS

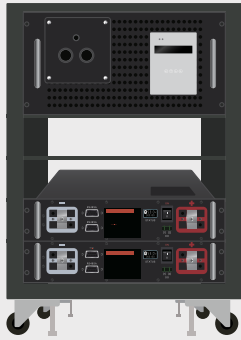
Cell	Material	Nanophosphate
Nominal	Nominal Voltage	49.5V
	Nominal Capacity	25Ah
	Nominal Capacity	~ 1250Wh
Electrical	Max. Power	2500W
	Max. Cont. Charge Current	50A
	Standard Charge Current	25A
	Max. Cont. Discharge Current	50A
	Charge Cut-Off Voltage	54V
	Discharge Cut-Off Voltage	37.5V
Interface Port	Communication	RS485, CAN Bus
Operation Temperature	Working Temperature	-20°C ~ 60°C
Dynamic Parallel Design	Hot SWOP Function	Worldwide No.1 Design, Award Patent
Cycle Life	1C/1C, 100% DOD	> 4000 cycles

\* Charge/discharge power and energy availability will be limited at the low and high ends of the specified operating temperature range

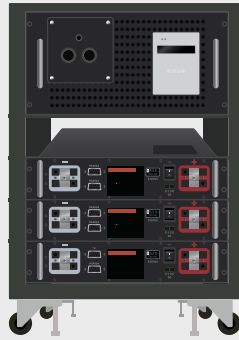


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ENDRICH Co., Ltd.

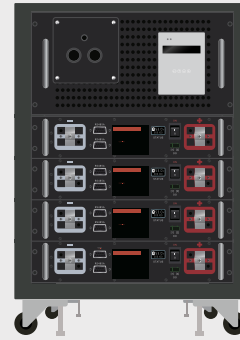
## ALE 48V HYBRID RESS



2 Modules



3 Modules



4 Modules

### ALE 48V HYBRID RESS SPECIFICATIONS

Category		2 Modules	3 Modules	4 Modules
Configuration		SWOP BOX *2 Hybrid Inverter	SWOP BOX *3 Hybrid Inverter	SWOP BOX *4 Hybrid Inverter
Configuration		15S10P *2	15S10P *3	15S10P *4
Max. Power	Grid-Tie	5KW		
	Only Battery & PV	4KW		
Nominal Capacity		2.5KWh	3.75KWh	5KWh
Cell		Nanophosphate		
Weight	SWOP BOX	54Kg	81Kg	108Kg
	Rack	20Kg		
Protocol		RS485, CAN Bus		

Hybrid Inverter (6KW)	Solar PV MPPT (150V - 550V)
	Charge 60A Max.
	DC/AC 110V/220V
	All in One Solution
Weight	24Kg
Protocol Interface	RS485

ENDRICH CO., LTD.

20F-8, No. 97, Sec. 1, Sintai 5th Road,  
Sijhih District, New Taipei City 22175, Taiwan

+886-2-2697-2069

+886-2-2697-1173



www.endrich.com.tw