



**ALFA-MAX+ 48V**  
**24kw |**  
**4parallel Expandable**  
residential and commercial use

## Parameters

Items	ALFA-MAX+
Nominal voltage	51.2V
Nominal capacity	470AH
Nominal energy	24.174KW
Usable energy	90%
Operating voltage range	46.5V - 57.0V
Charge voltage	56.0V
Float voltage	54.6V
Recommended charge current	70A
Max. charge current	100A
Recommended discharge current	150A
Max. discharge current	230A
Communication	RS485/CAN
Peak discharge current	-----
IP rating	IP20
Cycle life	≥6000 cycles @90%DOD
Net weight	296.7kg
Dimension(W*H*D)	896*500.5*280mm
Cell type	Lithium-iron phosphate (LiFePO4)
Design life	10000 cycles
Operation temperature	-10~50 C (14~122°F)
Storage temperature	-10~45 C (14~113°F)
Relative humidity	5%~90%, No condensation
Install altitude	≤4000m
Install location	Indoor
Installation	rolling wheels/ Floor mounted