



ALFA

ALFA-DS+

48V | 12kw.

8 parallel expandable

Parameters

Items	ALFA-DS+
Nominal voltage	51.2V
Nominal capacity	235AH
Nominal energy	12.032kw
Usable energy	90%
Operating voltage range	46.5V - 57.0V
Charge voltage	56.0V
Float voltage	54.6
Recommended charge current	30A
Max. charge current	60A
Recommended discharge current	60A
Max. discharge current	100A
Communication	RS485/CAN/Bluetooth
Peak discharge current	110A@5mins 110~115A@15S
IP rating	IP20
Cycle life	≥7000 cycles @90%DOD
Net weight	90.7kg
Dimension(W*H*D)	881*450*130mm
Cell type	Lithium-iron phosphate (LiFePO4)
Design life	10000 cycles
Operation temperature	-10~50℃ (14~122°F)-10~45℃ (14
Storage temperature	~113°F)
Relative humidity	5%~90%, No condensation
Install altitude	≤4000m
Install location	Indoor
Installation	wall mounted / Floor mounted