



Alrus-500® 48VDC Module Data-sheet
SUPER-CAPACITOR ENERGY STORAGE MODULE

TECHNICAL DATA SHEET

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MODEL NUMBER		48V30A	48V60A	48V90A
ENERGY	Total Energy	1.7 kWh	3.4 kWh	5.1 kWh
PERFORMANCE	Voltage (Nominal)	48	48	48
	Maximum Charge Voltage	54	54	54
	Discharge Cut-Off Voltage	36	36	36V
	Continuous Discharge Rate Amp	30	60	90
	Continuous Charge Rate Amp	30	60	90
	Maximum Charge Rate Amp	180	360	540
	Maximum Discharge Rate Amp	180	360	540
	Self-Discharge Rate	1-2% per month	1-2% per month	1-2% per month
	Maximum Depth of Discharge	100%	100%	100%
	Recommended Depth of Discharge	80%	80%	80%
	Dimensions (w × d × h)	450X400X190 mm 17.5X16.0X7.5 in.	450X460X190 mm 17.5X18X7.5 in	450×610×190 mm 17.5X24X7.5 in
PHYSICAL SPECS	Weight	19 kgs	37 kgs	54 kgs
	Module Casing Material	Steel	Steel	Steel
	Power Terminal Type	F12/Andersen		
	Monitoring Data	Total Cell Voltage, Current, Temperatures, Energy		
SAFETY	Alarm	Sound Alarm for under/over Voltage, Over Current, over Temperature		
	Module Monitoring	Current, Voltage, Temperatures, Total Energy delivered, SOC		
	Over/under voltage	Unit shut down		
	Over Current	Unit shut down		
	Over temperature	Unit shut down		
	Short Circuit	Solid State Protection with auto reset		
ENVIRONMENT	Operating Humidity	Non-Condensing		
	Cell Operating Temperature	-40° C to 65° C		
Connectivity	Communication	CAN/RS485		