



**Altus-500® 12 VDC Module Datasheet**  
**SUPERCAPACITOR ENERGY STORAGE MODULE**

**TECHNICAL DATA SHEET**

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<b>MODEL NUMBER</b>		12V30A	12V60A	12V90A	12V120
<b>ENERGY</b>	Total Energy	0.510 kWh	1.020 kWh	1.530 kWh	2.040 kWh
<b>PERFORMANCE</b>	Voltage (Nominal)	12	12	12	12
	Maximum Charge Voltage	16.2	16.2	16.2	16.2
	Discharge Cut-Off Voltage	10.8	10.8	10.8	10.8
	Continuous Discharge Rate	30 A/hr	60 A/hr	90 A/hr	120 A/hr
	Continuous Charge Rate	30 A/hr	60 A/hr	90 A/hr	120 A/hr
	Maximum Charge Rate	210 A/hr	420 A/hr	630 A/hr	840 A/hr
	Maximum Discharge Rate	210 A/hr	420 A/hr	630 A/hr	840 A/hr
	Self-Discharge Rate	1-2% per month	1-2% per month	1-2% per month	1-2% per month
	Maximum Depth of Discharge	100%	100%	100%	100%
	Recommended Depth of Discharge	80%	80%	80%	80%
	Dimensions (l × w × h)	8.25X5.75X8.0 in	15.75X5.75X8.0 in	15.75X8.25X8.0 in	15.75X10.75X8.0 in
<b>PHYSICAL SPECS</b>	Weight	6.1 kgs	12.0 kgs	17 kgs	22.5 kgs.
	Module Casing Material	ABS (Black)			
	Power Terminal Type	Optional			
	Monitoring Data	Total Cell Voltage, Current, Temperatures,			
<b>SAFETY</b>	Indications	Red-Charge; Green-Ready, Yellow- Alarm			
	Alarm	Yellow Light	under/over Voltage, Over Current, over Temperature		
	Over/under voltage	Unit shut down			
	Over Current	Unit shut down			
	Over temperature	Unit shut down			
	Short Circuit	Solid State Protection with auto reset			
<b>ENVIRONMENT</b>	Operating Humidity	Non-Condensing			
	Cell Operating Temperature	-40° C to 65° C			
<b>Connectivity</b>	Communication	Optional	CAN/RS485/ TCP/IP Ethernet		