



# CRESLOW ENERGY SOLUTIONS

Local manufacturer of battery solutions using Lithium phosphate chemistry.  
 Customised solutions are available on request.

DESCRIPTION	PARAMETERS	AUTOSMART 12V 105AH	AUTOSMART 12V 210AH
<b>Nominal</b>	Nominal Voltage (V)	12.8	12.8
	Nominal Capacity (WH)	1,344	2,688
	Cell (Ah)	105Ah	210Ah
<b>Physical</b>	Dimension (LxWxH) MM	260*170*210	330*270*250
	Weight (KG)	10	22
<b>Charging</b>	Cut-off Voltage (VDC)	14.4V (Charging)	14.4V (Charging)
		10.4 (Discharge)	10.4V (Discharge)
	Standard Current	52.5A (0.5 C) Charging	105A (0.5 C) Charging
<b>Other</b>	Terminal	12V P(+) & 12V N(-)	12V P(+) & 12V N(-)
	Voltage converter	n/a	n/a
	SOC Display	Volt & SOC% via BT	Volt & SOC% via BT
	Cycles	3,500	3,500
	Single string quantity(Cell)	4S1P	4S2P
<b>Temperature</b>	Operating Temperature	0~60 (c) Charge	0~60 (c) Charge
		-20~60 (c) Discharge	-20~60 (c) Discharge
	Shelf Temperature	-20~45 (c) 1 Month	-20~45 (c) 1 Month
		0~45 (c) 3 Month	0~45 (c) 3 Month
<b>BMS</b>	Protection	Over Charge & Discharge	Over Charge & Discharge
		Over Current	Over Current
		Short Circuit	Short Circuit
	Max continuous discharge	105A	210A
	Peak discharge	150A	300A
Balancing	Built-in with BMS	Built-in with BMS	
<b>Certification</b>	Certification Cells / BMS	UN38.3 / UL1642 / UL2580 / UL9540A / IEC 62619-CB	



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[www.energysolution.co.za](http://www.energysolution.co.za)

Customised lithium battery solutions  
 for Home ESS, Forklifts, Golfcarts & E-bike



**LEVEL 1  
 B-BBEE**  
 135% CONTRIBUTOR