



CRESLOW ENERGY SOLUTIONS

Local manufacturer of Industrial battery solutions using Lithium phosphate chemistry.
Higher voltage (80V) and Ah (900Ah) solutions are available on request

DESCRIPTION	PARAMETERS	24V SOLUTIONS			48V SOLUTIONS			80V SOLUTIONS		
		420Ah	525Ah	630Ah	420Ah	525Ah	630Ah	420Ah	525Ah	630Ah
Nominal	Nominal Voltage (V)	25.6	25.6	25.6	51.2	51.2	51.2	80	80	80
	Nominal Capacity (KWH)	10.75	13.44	16.12	21.50	26.88	32.25	33.60	42.00	50.40
	Weight of Lithium Cells, Electronics & BMS only (KG)	74	90	106	138	170	202	210	260	310
Physical	Weight & Dimension (MM)	Battery tank customised to machine design & weight requirements								
Charging	Cut-off Voltage (VDC)	28.80 (Charging)			57.60 (Charging)			90.00 (Charging)		
		20.80 (Discharge)			41.60 (Discharge)			65.00 (Discharge)		
	Standard Current - Charge	200A	250A	300A	200A	250A	300A	200A	250A	300A
	Standard Current - Discharge	420A	500A	500A	420A	500A	500A	420A	525A	630A
Other	Connector	Anderson, REMA or specific machine connector								
	SOC Display	Volt & SOC% Display with 5 meter cable								
	Monitoring	Bluetooth via Smartphone App								
	Cycles	4,000 Cycles based Lithium Cell (80% DOD recommended)								
Temperature	Operating Temperature	0~55 (c) Charge								
		-20~55 (c) Discharge								
	Shelf Temperature	-0~35 (c) 1 Year								
BMS	Protection	Over & Under Temperature Protection								
		Over Charge & Discharge								
		Over Current								
		Short Circuit								
	Max continuous discharge	500A	500A	500A	500A	500A	500A	500A	500A	500A
	Peak discharge	800A	800A	800A	800A	800A	800A	1000A	1000A	1000A
	Balancing	Active Balancing with BMS								
Certification	Certification Cells / BMS	UN38.3 / UL1642 / UL2580 / UL9540A / IEC 62619-CB								



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www.energysolution.co.za

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



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