

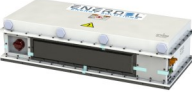
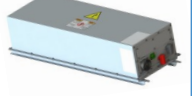



ENERDEL


Battery Packs

Ready to go pack solutions configurable to your application!

Parameter	Units	403V Energy Pack - (V4)	393V PHEV/ESS Pack - (V4)	705V Energy Pack	58V Energy Pack	738V HEV Pack
						
Pack Number of Cells	Each	192	192	336	112	360
Series Elements	n/a	96	96	168	14	180
Number of Cells in Parallel	n/a	2	2	2	8	2
Pack Configuration		96S2P	96S2P	168s2p	14S8P	180S2P
Cell Voltage						
Maximum	V	4.2	4.1	4.2	4.2	4.1
Nominal	V	3.7	3.65	3.7	3.7	3.65
Minimum	V	3	2.5	3	3	2.5
Cell Capacity						
Rated	Ah	25	16	25	25	16
Pack Capacity Beginning of Life (BOL)						
Rated	Ah	50	32	50	200	28.5
Pack Capacity End of Life (EOL)						
Rated	Ah	40	25.6	40	160	19.9
Pack Voltage						
Maximum	V	403.2	393.6	705.6	58.8	738
Nominal	V	355.2	350.4	621.6	51.8	657
Minimum	V	288	240	504	42	450
Pack Energy						
Rated Energy	kWh	17.7	11.2	31	10.36	21
Pack Discharge Power						
Maximum Rate (continuous)	kW	53.2	56	92.3	5.3	105.1
Pulse (10s)	kW	88.8	112.1	153.8	6.6	230(5S)
Pack Charge Power						
Maximum Rate (continuous)	kW	35.5	56	62.2	5.3	52.6
Pulse (10s)	kW	35.5	112.1	62.2	6.6	
Pack Discharge Current						
Maximum Rate (continuous)	A	150	160	150	104	160
Pulse (10s)	A	250	320	250	128	350(5S)
Pack Charge Current						
Maximum Rate (continuous)	A	100	160	100	104	160
Pulse (10S)	A	100	320	100	128	350(5S)
X Dimension	mm	808.3	808.3	1349.4	1062	2051
Y Dimension	mm	549.3	549.3	627.7	369	1117
Z Dimension	mm	309.75	309.75	346.96	250	280
Mass	Kg	164	164	345	108	439
Operating Temperature (optimal)	°C	15 to 35	15 to 35	15 to 35	15 to 35	-15 to 45
Storage Temperature	°C	-40 to 60	-40 to 60	-40 to 60	-40 to 60	-40 to 55
Temperature Control		Forced Air Thermal Management Standard. Liquid Optional.	Forced Air Thermal Management Standard. Liquid Optional.	Liquid Cooled	Forced Air Thermal Management	Forced Air Thermal Management
Chemistry		NMC	NMC	NMC	NMC	NMC
BMS Executive Control for Multiple Pack Configuration		Yes	Yes	Yes	Yes	Yes
Communication Protocol		CAN 2.0B	CAN 2.0B	CAN 2.0B	CAN 2.0B	SAE J1939-11

Contact us for more information about purchasing our Battery Packs

 www.enerdel.com

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