

CATL H01 Battery Packs



Coulomb
Solutions

Proven in over 150,000
Commercial EVs & HEVs

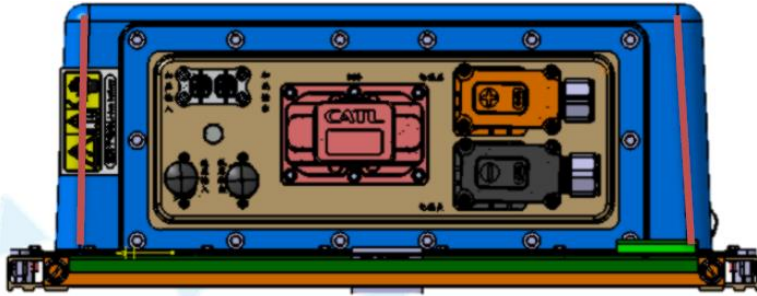


- Optimized for Commercial Vehicles
- Standardized Pack Sizes
- Pack Voltages from 230-307 VDC
- Integral PTC heating
- Water/Glycol cooling
- Long Life LFP Cells
- Regular & Fast Charge
- High Specific Energy
- ~70kWh Modules
- Systems from 123-577kWh+

GENERAL SPECIFICATIONS

Capacity per Pack	~70kWh/Module Typical
Pack Voltage:	230.4 & 307.2 VDC Nominal
Specific Energy:	~155WH/kg
Cooling/Heating:	Water-Glycol/Internal PTC Strip
Environmental:	IP68
Ambient Temperature:	-30C to 60C
Weight:	~445 kg
Dimensions:	2050mm*640mm*240mm

* Optional 600V Battery Chiller: Model eBC7.0HV



No.	Connector
1	BAT-
2	Low voltage input
3	Balance valve
4	Heating input
5	BAT+
6	Heating output
7	Low voltage output
8	Coolant connector
9	Integrated panel

Product Type		High Energy	
Cell Capacity		302Ah	228Ah
Cell Size		72T	54T
Pack Group	H01-Pack: 2050mm*640mm*240mm	1P72S	1P96S
	H02-Pack: 1850mm*640mm*240mm	1P63S	1P84S
Charge Rate		250A	1.0C
WED		> 150Wh/kg	
Heating Type		Built-in heating film	
Cooling Type		Liquid-cooled & matched water-chilling-unit to be considered by OEM	
Protection Level		IP68	

Cell Type	Group		1				2				3			
	Volt. (V)	Serial (S)	Energy (KWh)	Pack Configuration	Pack Number	Cell Number	Energy (KWh)	Pack Configuration	Pack Number	Cell Number	Energy (KWh)	Pack Configuration	Pack Number	Cell Number
228Ah	540.96	168	123.34	2*H2	2	168	246.68	External 2P	4	336	370.02	External 3P	6	504
228Ah	579.6	180	132.15	H1+H2	2	180	264.30	External 2P	4	360	396.45	External 3P	6	540
228Ah	579.6	180	132.15	H2+2*C01	3	180	264.30	External 2P	6	360	396.45	External 3P	9	540
228Ah	618.24	192	140.96	2*H1	2	192	281.92	External 2P	4	384	422.88	External 3P	6	576
228Ah	618.24	192	140.96	H1+2*C01	3	192	281.92	External 2P	6	384	422.88	External 3P	9	576
302Ah	521.64	162	157.54	2*H2+C01	3	162	315.07	External 2P	6	324	472.61	External 3P	9	486
302Ah	550.62	171	166.29	H1+H2+C01	3	171	332.57	External 2P	6	342	498.86	External 3P	9	513
302Ah	550.62	171	166.29	H2+3*C01	4	171	332.57	External 2P	8	342	498.86	External 3P	12	513
302Ah	579.6	180	175.04	2*H1+C01	3	180	350.08	External 2P	6	360	525.12	External 3P	9	540
302Ah	579.6	180	175.04	H1+3*C01	4	180	350.08	External 2P	8	360	525.12	External 3P	12	540
302Ah	608.58	189	183.79	3*H2	3	189	367.58	External 2P	6	378	551.37	External 3P	9	567
302Ah	637.56	198	192.54	H1+2*H2	3	198	385.09	External 2P	6	396	577.63	External 3P	9	594
302Ah	637.56	198	192.54	2*H2+2*C01	4	198	385.09	External 2P	8	396	577.63	External 3P	12	594