

## Lightspeed **ECS** BATTERY STORAGE SYSTEM



## HIGH VOLTAGE BATTERY FROM **Lightspeed**



**High  
Voltage**



**Simple  
Installation**



**High  
Efficiency**



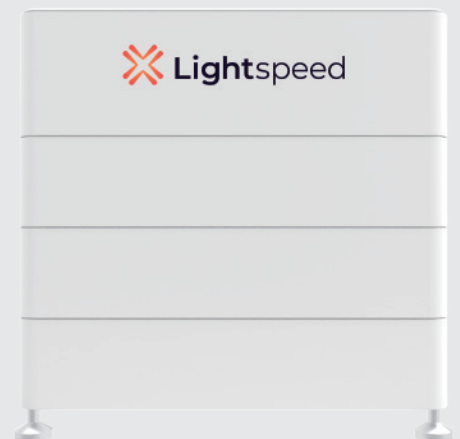
**Expandable  
System**



**90%  
DoD**

Additional batteries can be installed in series, allowing for a maximum storage capacity of 19.35kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

- 2.76kWh capacity
- Scalable to 19.35kWh
- 90% Depth of Discharge
- Large temperature tolerance
- Easy installation
- CAN communication
- High voltage



# Lightspeed

## ECS SERIES

### ECS2800-H2/H3/H4/H5/H6/H7

MODEL	ECS2800 -H2	ECS2800 -H3	ECS2800 -H4	ECS2800 -H5	ECS2800 -H6	ECS2800 -H7
<b>ELECTRICAL CHARACTERISTICS</b>						
Battery Type	LiFePO4 Prismatic Cell					
Battery Module	1*CM2800 1*CS2800	1*CM2800 2*CS2800	1*CM2800 3*CS2800	1*CM2800 4*CS2800	1*CM2800 5*CS2800	1*CM2800 6*CS2800
Nominal Capacity [Wh]	5530	8290	11060	13820	16590	19350
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	104.4 ~ 132.4	156.6 ~ 198.7	208.8 ~ 264.9	261.0 ~ 331.2	313.2 ~ 397.4	365.4 ~ 463.6
Recommend Discharge Current [A]	24					
Max. Charge/Discharge Current [A]	48					
Peak Discharge Current [A]	65 @60sec					
Battery Pack Round-Trip Efficiency [%]	>95					
Depth of discharge [%]	90					
Cycle Life* <sup>1</sup>	≥6000					
Communication	CAN					
Display	CS: LED*1, CM: LED*6					
Scalability	Max. 7 Modules in Series					
<b>OPERATING CONDITIONS</b>						
Installation Location	Outdoor/ Indoor (Stand)					
Operating Temperature [°C]* <sup>2</sup>	Charge: 0 ~ 55 Discharge: -10 ~ 55					
Storage Temperature [°C]	-20 ~ 55					
Cooling method	Natural Convection					
Humidity [%]	5 ~ 95 (No Condensing)					
Altitude [m]	Max. 2,000					
<b>MECHANICAL CHARACTERISTICS</b>						
Dimensions (W*H*D) [mm]	570*350*380	570*470*380	570*590*380	570*710*380	570*830*380	570*950*380
Weight [kg]	65±1	95.5±1.5	126±2	157±2.5	187±3	217±3.5
<b>CERTIFICATES</b>						
Safety	IEC 62619					
EMC	IEC 61000-6-1/2/3/4					
Transportation	UN38.3					
Ingress Protection	IP65					

\*1, 25°C, @90% DOD, 0.5C charging/discharging.

\*2, Charge derating will occur between 0°C and +15°C.