

## Lightspeed **ECS** BATTERY STORAGE SYSTEM



## HIGH VOLTAGE BATTERY FROM **Lightspeed**



**High  
Voltage**



**Simple  
Installation**



**High  
Efficiency**



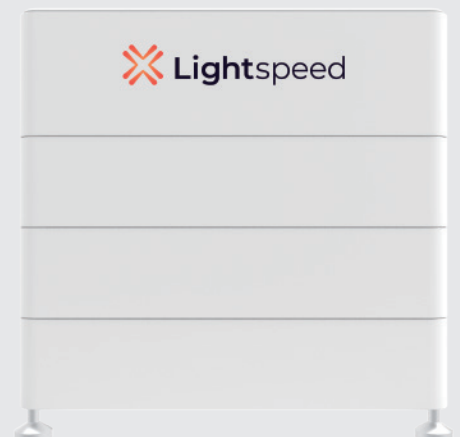
**Expandable  
System**



**90%  
DoD**

Additional batteries can be installed in series, allowing for a maximum storage capacity of 32.6kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.

- 4.66kWh capacity
- Scalable to 32.6kWh
- 90% Depth of Discharge
- Large temperature tolerance
- Easy installation
- CAN communication
- High voltage



# Lightspeed

## ECS SERIES

### ECS4800-H2/H3/H4/H5/H6/H7

Model	ECS4800-H2	ECS4800-H3	ECS4800-H4	ECS4800-H5	ECS4800-H6	ECS4800-H7
<b>ELECTRICAL CHARACTERISTICS</b>						
Battery Type	LiFePO4 Prismatic Cell					
Battery Module	1*CM4800 1*CS4800	1*CM4800 2*CS4800	1*CM4800 3*CS4800	1*CM4800 4*CS4800	1*CM4800 5*CS4800	1*CM4800 6*CS4800
Nominal Capacity [Wh]	9320	13980	18640	23300	27960	32610
Nominal Voltage [V]	89.6	134.4	179.2	224	268.8	313.6
Operating Voltage [V]	81.2 ~ 103	121.8 ~ 154.5	162.4 ~ 206	203 ~ 257.6	243.6 ~ 309.1	284.2 ~ 360.6
Recommend Discharge Current [A]	30					
Max. Charge/Discharge Current [A]	50					
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]	-10 ~ 35					
Cooling method	Natural Convection					
Humidity [%]	5 ~ 95 (No Condensing)					
Altitude [m]	Max. 2,000					
<b>MECHANICAL CHARACTERISTICS</b>						
Dimensions (W*H*D) [mm]	570*386*380	570*524*380	570*662*380	570*800*380	570*938*380	570*1076*380
Weight [kg]	83.5	122.5	161.5	200.5	239.5	278.5
<b>CERTIFICATES</b>						
Safety	IEC 62619					
EMC	EN IEC 61000-6-1/2/3/4					
Transportation	UN38.3					
Ingress Protection	IP65					

\*1, 25°C, @90% DOD, 0.3C charging/discharging.

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