10H PRIME

9.6kWh Battery Pack Product Specification





Product Specification (1/2)

10H Prime

Electrical Characteristics				
Usable Energy ¹⁾		9.6 kWh @77°F (25°C)		
Voltage Range	Charge	420 ~ 450 V _{DC}		
	Discharge	350 ~ 410V _{DC}		
Max. Charge/Discharge Current		14.3A@350V		
Max. Charge/Discharge Power		5kW		
Peak Power (only discharging) ²⁾		7kW for 10 sec.		
Peak Current (only discharging)		20A for 10 sec.		
Communication Interface		RS485/CAN		
DC Protection		Circuit Breaker, Fuse, DCDC converter		
Connection Method		Spring Type Connector		
User interface		LEDs for Normal and Fault operation		
Protection Features		Over Voltage / Over Current / short circuit / Reverse Polarity		
Scalability (Total Energy, Max. Charge/Discharge Power)		Max. 2 in parallel (19.2 kWh @77°F (25°C), 10kW)		

Operating Conditions				
Installation Location		Indoor/Outdoor, Floor standing, Wall-mounted		
Operating Temperature	Charge	14 ~ 122°F (-10 ~ 50°C)		
	Discharge	-4 ~ 122°F (-20 ~ 50°C)		
Operating Temperature (Recommended)		59 ~ 86°F (15 ~ 30°C)		
Storage Temperature (At shipping state)		-22 to 140°F (-30 to 60°C), acceptable for 7 days in total -4 to 113°F (-20 to 45°C), acceptable for the first 6 months -4 to 86°F (-20 to 30°C), acceptable for 7th month~12th month		
Humidity		5%~95%		
Altitude		Max. 6,562ft (2,000m)		
Cooling Strategy		Natural Convection		

Certification				
Safety	Cell	UL1642		
	Battery Pack	UL1973 / CE / RCM / IEC 62619		
Emissions		FCC		
Hazardous Materials Classification		Class 9		
Transportation		UN38.3 (UNDOT)		
Ingress Rating		IP55		

- X Test Conditions Temperature 77°F (25°C), at the beginning of life
- X Usable Energy is measured under specific condition from LGES(0.3CPCV/0.3CP)
- X Product specification may change without notice
- 1) DOD 100%. DC/DC converter one way efficiency 97.5%. Ambient 77°F (25°C)
- 2) Peak Current excludes repeated short duration (less than 10 sec. of current pattern).



Product Specification (2/2)

10H Prime

Mechanical Characteristics				
Dimensions	Width	19.8 inch (504 mm)		
	Height	32.2 inch (817 mm)		
	Depth	11.6 inch (295 mm)		
Weight		244 lb (111 kg)		



