

Onyx Slate



H1-15

Proterra® Battery Pack Specifications

Parameter		Specification	
Energy Density	Nominal Installed Energy	82 kWh	85 kWh
	Gravimetric Energy Density	164 Wh/kg	172 Wh/kg
	Volumetric Energy Density	270 Wh/L	279 Wh/L
Voltage	High Voltage, Nominal	669 V	652 V
	Low Voltage	12V, 24V	
Dimensions	Height	175 mm	
	Width	620 mm	
	Length	2802 mm	
Weight	Kilograms	500 kg	492 kg
Temperature	Ambient Temperature	-30°C to +55°C	
	Type of Cooling	Liquid, 50/50 Water Ethylene Glycol	
Ingress	Ingress Protection	IP6k9k / IPxxB	
Communication	Communication	CAN J1939	
	Diagnostics	Proprietary (DM1 capable)	
Configurations	ESS	Up to 16 packs in parallel	
Charge	Continuous charge performance	0.5 C	
	Continuous regen performance	0.5 C/0.5 E	
	Peak charge performance (300 sec)	1.0 C	
	Continuous discharge performance	1.3 C/1.2 E	
	Peak discharge performance (60 sec)	3.0 C/3.0 E	
	Peak regen performance (60 sec)	1.0 C/1.0 E	
	Charge time (20-80% State of Charge) <i>Specific Conditions Apply</i>	54 minutes	

Tested in accordance with SAE J2929, UN38.3, ISO 20653, IEC 60068-2-1, SAE J2464, ECE R100.03

 Identifies US Cell Option Specifications

