



# PROTEUS™



## Single String (10 modules)

Energy Capacity	66 kWh
Operating Voltage Range	670-1000 V <sub>DC</sub>
Charge Power, continuous	200 kW (3C rate)
Discharge Power, continuous	266 kW (4C rate)
Dimensions (L x W x H)	800 mm x 800 mm x 2165 mm (31.5" x 31.5" x 85.25")
Weight	1335 kg (2942 lbs)

### KEY FEATURES

#### High Power



Flexible modular architecture for optimal sizing & voltage range.  
Peak power of 333 kW (5C rate) charge and 533 kW (8C rate) discharge for 10 s.  
Liquid cooled design enables longer life and higher power.

#### Safety



Certifications pending to IEC 62619, ASTM F3353, DNV GL CG-0339, UN 38.3  
Type Approvals pending for DNV GL, ABS, Lloyd's Register  
Prevents cell to cell propagation by limiting thermal runaway to 70°C  
Isolation tested to 4 kV<sub>DC</sub> and CMR of 100 kV/us.  
Included over-current and ground fault protection.

#### Ease of Use



Lockable manual disconnect included for string LOTO.  
String redundancy allows continued operation during maintenance.  
Module replacement in 5 minutes with all rear blind mate connections.  
Control and sensing redundancies improve uptime through scheduled maintenance.

#### BMS



Modbus TCP communications for easy integration compatibility.  
Automated high-power dynamic balancing for any SOC condition.  
Universal input single phase auxiliary power including UPS backup.

### energy management for our future™

LAVLE energy storage systems enable both hybrid and fully electric applications across multiple markets, to reduce maintenance, fuel usage, and greenhouse gas emissions. The lithium-ion based **Proteus™** product delivers optimally sized performance, best in class safety, and redundancy options to fit your application. All our products are manufactured in the USA, and supported by our highly skilled staff, who are committed to making your energy storage project an unqualified success.