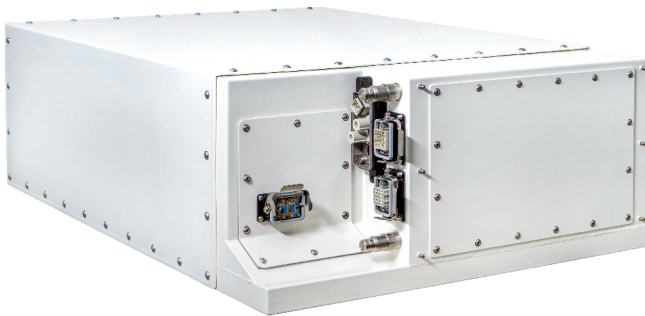


UVES LTO STANDARD

Battery Pack LTO 15.2 kWh



- Lithium-ion technology LTO
- Modularity
- Designed for heavy-duty application
- Homologated ● UN ECE R100.02 ● UN ECE R10.05
- High profile solution ● flat solution
- 144S2P ● 288S1P (Q4 2018) cells configuration
- Thermal Management System

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Buses



Trolleybuses



Commercial trucks



PARAMETERS

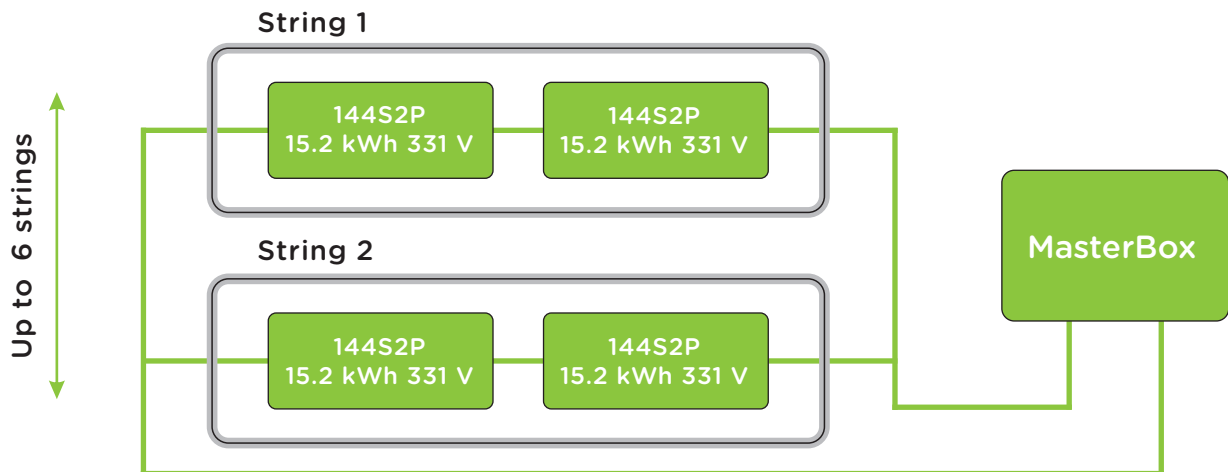
Operating conditions		
	144S2P	288S1P
Discharge Current	200 A	100 A
Max Discharge Current (10s)	400 A	200 A
Discharge Temp. Range	-30°C to 45°C	
Charge Current	200 A	100 A
Max Charge Current (10s)	400 A	200 A
Charge Temp. Range	-30°C to 45°C	
Protection class	IP 65	
Thermal Management System	Liquid	
Homologation	UN ECE R10.05 UN ECE R100.02	

Battery Pack (single container) Configurations					
Cells conf.	Voltage			Capacity	Energy
	Min.	Nom.	Max.		
144S2P	288 V	331 V	389 V	46 Ah	15.2 kWh
288S1P	576 V	662 V	778 V	23 Ah	
String configurations					
	BP 1	BP 2	Voltage	Capacity	Energy
Single container	144S2P	-	331 V	46 Ah	15.2 kWh
	288S1P	-	662 V	23 Ah	15.2 kWh
2 Containers in series	144S2P	144S2P	662 V	46 Ah	30.5 kWh
	Parallel connection of strings ←				more kWh

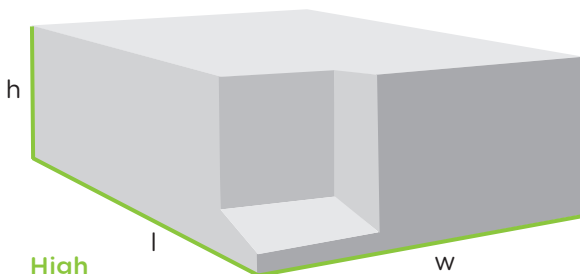
288S1P available from Q4 2018

EXAMPLE OF SYSTEM CONFIGURATION

2 x string (2 x Battery Pack) → 4 x Battery Pack → 61kWh → 662 V → 92 Ah

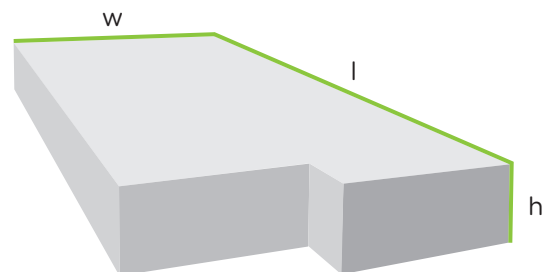


MECHANICAL PARAMETERS



High profile solution (mounted in engine compartment)

	l x w x h
Dimensions	1054 x 769 x 340 mm
Weight	300 kg



Flat solution

	l x w x h
Dimensions	2000 x 800 x 180 mm
Weight	285 kg