

UVES NMC COMPACT

Battery Pack NMC 21.3 kWh



- Lithium-ion technology NMC
- Modularity
- Designed for heavy-duty application
- Homologated ● UN ECE R100.02 ● UN ECE R10.05
- Compact size
- 48S2P cells configuration
- Thermal Management System

www.icpt.pl



Buses



Trolleybuses



Commercial trucks

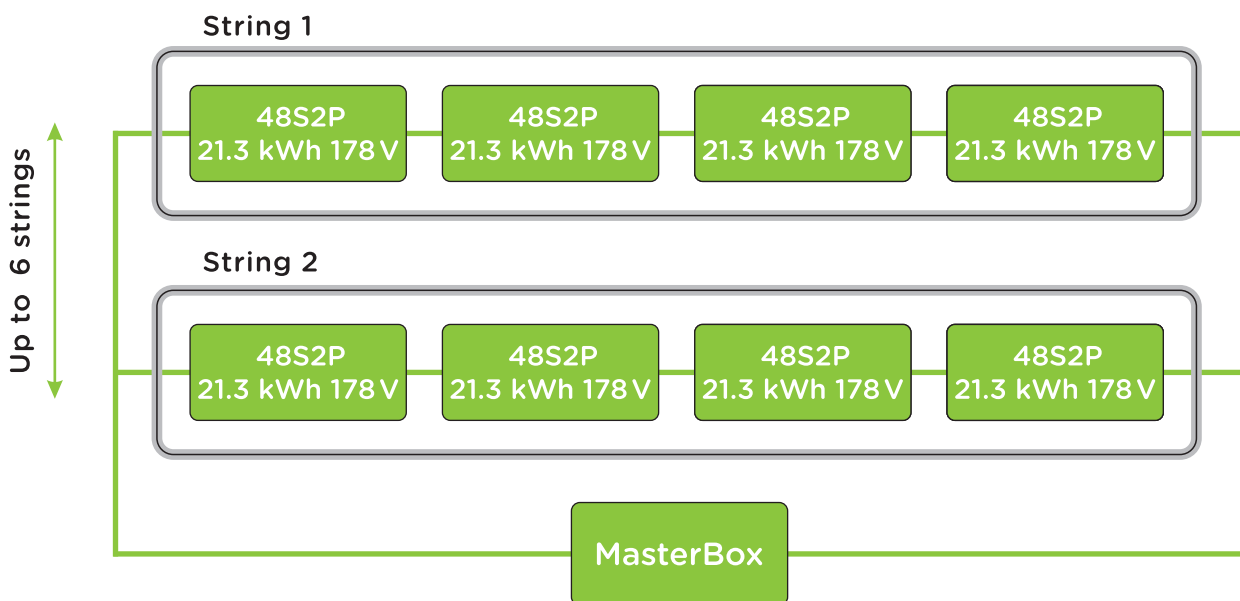


PARAMETERS

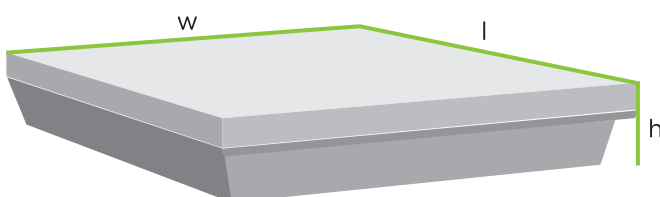
Operating conditions		Battery Pack (single container) Configurations							
	48S2P	Voltage			Capacity	Energy			
Discharge Current	120 A	Cells conf.	Min.	Nom.	Max.				
Max Discharge Current (10s)	240 A	48S2P	130 V	178 V	199 V	120 Ah	21.3 kWh		
Discharge Temp. Range	-25°C to 55°C	String configurations							
Charge Current	120 A		BP 1	BP 2	BP 3	BP 4	Voltage	Capacity	Energy
Max Charge Current (10s)	240 A	Single container	48S2P	-	-	-	178 V	120 Ah	21.3 kWh
Charge Temp. Range	0°C to 55°C	2 Containers in series	48S2P	48S2P	-	-	355 V	120 Ah	426 kWh
Protection class	IP 65	3 Containers in series	48S2P	48S2P	48S2P	-	533 V	120 Ah	639 kWh
Thermal Management System	Liquid	4 Containers in series	48S2P	48S2P	48S2P	48S2P	710 V	120 Ah	853 kWh
Homologation	UN ECE R10.05 UN ECE R100.02	Parallel connection of strings ← more kWh							

EXAMPLE OF SYSTEM CONFIGURATION

2 x string (4 x Battery Pack) → 8 x Battery Pack → 170.5 kWh → 710 V → 240 Ah



MECHANICAL PARAMETERS



	l x w x h
Dimensions	1200 x 820 x 164 mm
Weight	226kg