

## UVES NMC STANDARD

### Battery Pack NMC 40 kWh



- Lithium-ion technology NMC
- Modularity
- Designed for heavy-duty application
- Homologated ● UN ECE R100.02 ● UN ECE R10.05
- 60S3P ● 90S2P ● 180S1P cells configuration
- Thermal Management System

[www.icpt.pl](http://www.icpt.pl)



Buses



Trolleybuses



Commercial trucks

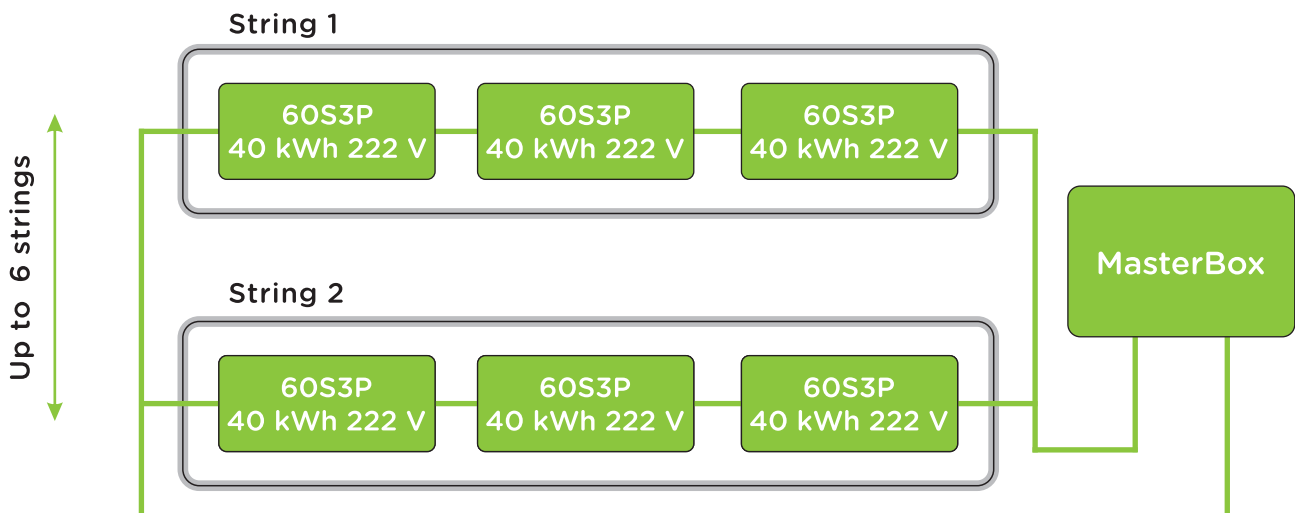


## PARAMETERS

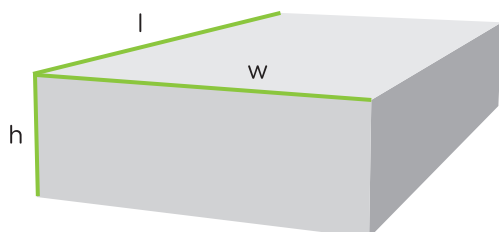
Operating conditions				Battery Pack (single container) Configurations						
	60S3P	90S2P	180S1P	Voltage			Capacity	Energy		
Discharge Current	180 A	120 A	60 A	Cells conf.	Min.	Nom.	Max.	40 kWh		
Max Discharge Current (10s)	360 A	240 A	120 A	60S3P	162 V	222 V	249 V			
Discharge Temp. Range	-25°C to 55°C			90S2P	243 V	333 V	376 V			
Charge Current	180 A	120 A	60 A	180S1P	486 V	666 V	747 V	60 Ah		
Max Charge Current (10s)	360 A	240 A	120 A	String configurations						
Charge Temp. Range	0°C to 55°C				BP 1	BP 2	BP 3	Voltage	Capacity	Energy
Protection class	IP 65			Single container	180S1P	-	-	666 V	60 Ah	40 kWh
Thermal Management System	NA/Liquid				90S2P	-	-	333 V	120 Ah	40 kWh
Homologation	UN ECE R10.05 UN ECE R100.02				60S3P	-	-	222 V	180 Ah	40 kWh
				2 Containers in series	90S2P	90S2P	-	666 V	120 Ah	80 kWh
					60S3P	60S3P	-	444 V	180 Ah	80 kWh
				3 Containers in series	60S3P	60S3P	60S3P	666 V	60 Ah	120 kWh
					Parallel connection of strings ← more kWh					

## EXAMPLE OF SYSTEM CONFIGURATION

2 x string (3 x Battery Pack) → 6 x Battery Pack → 240 kWh → 666 V → 360 Ah



## MECHANICAL PARAMETERS



	l x w x h
Dimensions	1630 x 763 x 272 mm
Weight	365 kg w/o cooling 375 kg with liquid cooling