

Data TDS „RePower02“

RePower02 Standard						
	XS		S		M	
Material number	631118	631491	631119	631492	631146	631498
Application	Forklift, E-Truck					
Dimension length	1028 mm					
Dimension with	527 mm					
Dimension hight	627 mm					
Weight	855 kg					
Cell type / Cathode chemistry	Prismatic / LFP					
Pack configuration	16s1p		16s2p		16s2p	
Nominal Energy (25 °C / 0.5 C discharge)	15.6 kWh		23.6 kWh		31.1 kWh	
Useable energy (25 °C)	14.6 kWh		22.1 kWh		29.3 kWh	
Nominal capacity (25 °C / 0.5 C discharge)	304 Ah		460 Ah		608 Ah	
Nominal voltage (0.5 C)	51.2 V					
End of charge voltage	55.2 V					
End of discharge voltage	41.6 V					
Max continuous charge	212 A		302 A		400 A	
Max peak charge @30 sec	608 A		920 A		1000 A	
Max continuous discharge	304 A		400 A		400 A	
Max peak discharge @30 sec	850 A		1000 A		1000 A	
Temperature range charge	0 °C ... 45 °C					
Temperature range discharge	0 °C ... 45 °C					
Temperature range storage	-35 °C ... 65 °C					
Humidity	5 % ... 85 %					
Altitude	≤2,000 m					
Protection class	IP54					
Certification, approvals	UN 38.3; DIN EN 12895; EN 6100-6-4; DIN EN 60529					
Communication	CAN Bus					
Color	RAL7021					
Battery plug	REMA MRC320	Schaltbau 320/400	REMA MRC320	Schaltbau 320/400	REMA MRC320	Schaltbau 320/400

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RePower02 Perform				
	S		M	
Material number	631120	631496	631147	631499
Application	Forklift, E-Truck			
Dimension length	1030 mm			
Dimension with	529 mm			
Dimension hight	627 mm			
Weight	856 kg			
Cell type / Cathode chemistry	Prismatic / NMC			
Pack configuration	13s5p		13s9p	
Nominal Energy (25 °C / 1/3 C discharge)	28.6 kWh		51.5 kWh	
Useable energy (25 °C)	22.9 kWh		41.2 kWh	
Nominal capacity (25 °C / 1/3 C discharge)	600 Ah		1080 Ah	
Nominal voltage (1/3 C)	47.7 V			
End of charge voltage	53.6 V			
End of discharge voltage	39.0 V			
Max continuous charge	312 A		400 A	
Max peak charge @2 sec	650 A		1000 A	
Max continuous discharge	400 A		400 A	
Max peak discharge @2 sec	1000 A		1000 A	
Temperature range charge	-25 °C ... 45 °C			
Temperature range discharge	-28 °C ... 45 °C			
Temperature range storage	-35 °C ... 60 °C			
Humidity	0 % ... 100 %			
Altitude	≤2,000 m			
Protection class	IP67			
Certification, approvals	UN 38.3; DIN EN 12895; EN 6100-6-4; DIN EN 60529			
Communication	CAN Bus			
Color	RAL7021			
Battery plug	REMA MRC320	Schaltbau 320/400	REMA MRC320	Schaltbau 320/400