

## BATTERY CHARGING STATION

### Cabinet / Components

#### BCS. Cabinet / Components:

Fast charging of large batteries , For industrial applications, As cabinet or IP 68 housing  
,For rough environmental conditions, Charging capacity up to 220 kW

#### Power Data:

- Nominal power : 220 kW
- Input voltage (IT/TN network) : 3~ 400 V AC  $\pm$  10 %, 50 – 60 Hz (-10 ... -15 % with derating)
- Input current 350 A : (@ In 3~400 V AC / Out 760 V DC)
- Output voltage : 650 – 830 V DC
- Max. output current : 300 A @ 785 V (226 A @ 830 V)
- Internal supply of electronic (DC-link) : Yes
- Additional supply voltage : 24 V DC + 20 % / -15 %
- Communication interfaces : RS485, CAN
- Inputs / outputs : Digital inputs / outputs 4 Digital inputs 4 Digital outputs 4  
Analog inputs / outputs 2 Relay outputs 1
- Dimensions [L x W x H] : Customer-specific
- Degree of protection : IP 54/ IP 00

#### AMBIENT CONDITIONS:

- Installation height : 2,000 m (a.s.l.)
- Ambient temperature : -25 to 70 °C
- Type of cooling : Liquid: water-glyco
- Losses at nominal power : 7.5 kW
- Temperature of coolant inlet : -25 to 50 °C
- Mix ratio of cooling liquid (Water / Antifrogen -N) : 56 / 44 %
- Operating pressure of the coolant: Max. 4.0 bar
- Coolant flow rate : 20 l/min
- Electromagnetic compatibility (EMC) emission : EN 61000-6-4\* (industrial)  
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#### APPLICATIONS:

- Tunneling/Mining
- Construction equipment
- Industrial Vehicles
- Port Equipment