

ADRIA

POWER SYSTEMS®

M4TS

MINE DUTY PRODUCTS

HIGH POWER CHARGING SYSTEMS

HPCS200-Q1

Introducing: **The Q**



**1MW OF
PURE POWER**

LESS THAN 4% THD

Introducing **The Q**, for quad outputs

ADRIA is a trusted name for high power charging systems for mining operations. We are involved in the mining machinery electrification since 2012 and have deployed different systems across the globe since. This new generation of charging infrastructure offers more advanced feature and even better performance than before. The HPCS200-1Q features **4 bridgeable outputs** allowing the full **ONE MEGAWATT** to be directed to a single output when needed, or split the power into the 4 different outputs.

Each output can accommodate a different set of protocols to communicate with various batteries and **different OEM**.

The Q is one of the most **advanced** mining duty charging systems available on the market, suitable for surface and underground use.

KEY FEATURES

CLEAN

- THD under 4%, well below the maximum required by the IEEE std 519
- The 3rd harmonic, among the most problematic, is particularly attenuated
- Power Factor: 1

USER FRIENDLY

- State-of-the-art GUI that will allow user friendly use and status reporting
- Powered directly to the customer medium voltage grid
- No external power transformer required

FLEXIBLE

- Global ready (CSA, CE, AUS, etc.)
- Each output can hold a different set of communication protocols
- Easily scalable power architecture
- Product can be adapted to your specifications



| | | |
|---------------------------------|----|--------------------------|
| Rated incoming voltage | V | 300V to 38kV |
| Rated frequency | Hz | 50/60Hz |
| Total output power | kW | from 80kW up to 5MW |
| Power per output | kW | from 80kW up to 5MW |
| Number of outputs | | from 1 to 10 |
| Battery communication protocols | | CCS, CHAdEMO, others |
| Mine communication protocols | | Ethernet, MODBUS, others |
| Bidirectional | | Yes |
| Customization available | | Yes |