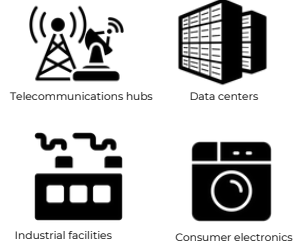


UNINTERRUPTIBLE POWER SUPPLY (UPS)

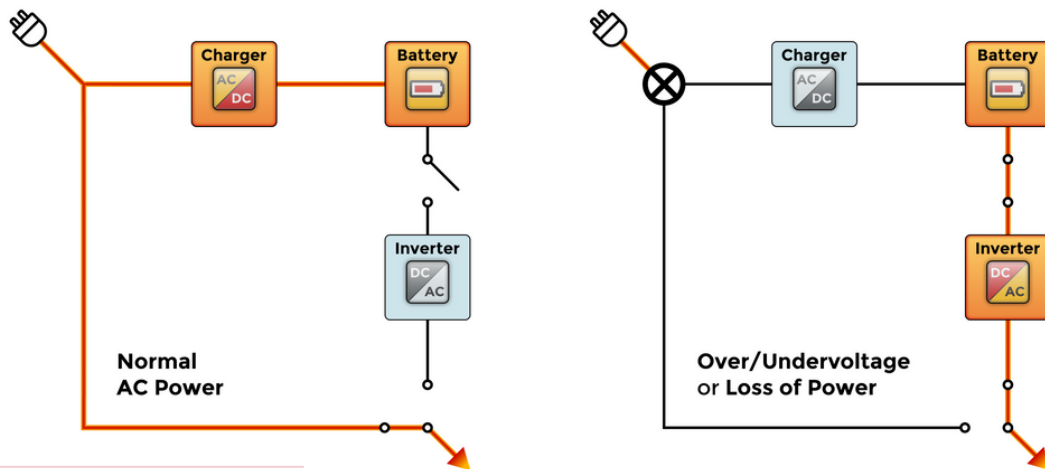
Maintaining Mission-Critical Operations

Reliable Protection & Performance for Unpredictable Disruptions

While no one can predict a power outage, uninterruptible power supplies (UPS) protect critical data during a short-term disruption. Offline or standby UPS systems are connected to the grid. When the power goes out, the battery switches on, delivering 5-20 minutes of reaction time to save data that would otherwise be lost or properly power down sensitive equipment. Choosing the right components is essential for reliable UPS performance in a range of applications.



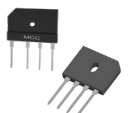



Block Diagram

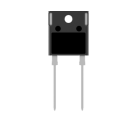




Key Design Considerations

- Size
- Input regulation
- Output
- Topology
- High current capability
- High-temperature capability
- Protection from overloads and transients
- Minimizing power, switching, and conduction losses
- Industry standards and regulations

Recommended Products

- | | | |
|--|--|---|
|  | Bridge Rectifiers
800V | <ul style="list-style-type: none"> • GBU25L08 • GBJ1508 |
|  | Power SiC MOSFETs
1200V | <ul style="list-style-type: none"> • SICW080N120Y • SICBG160N120A |
|  | FRED Rectifiers
800V | <ul style="list-style-type: none"> • MUR1080CT • MUR8100F |
|  | MOSFET
150V | <ul style="list-style-type: none"> • MCAC80N15Y |

- | | | |
|---|--|---|
|  | SiC Schottky Barrier Rectifiers
650-1200V | <ul style="list-style-type: none"> • SICPT40120YA • SICPT4060DY • SICPT20120Y |
|  | IGBTs
650-1200V | <ul style="list-style-type: none"> • MIW75N65F • MIW40N120FLA |
|  | TVS Diodes
Wide selection of diodes | <ul style="list-style-type: none"> • SMAJxxA Series • SMA6JxxA Series • SMBJxxA Series • SMBFxxA Series |