

# DC POWER

primary and backup power source for some SysNet network equipment

AC rectifiers power equipment and float-charge the batteries (~-54 VDC)

Batteries provide power in absence of AC or on rectifier fail

-- battery, rectifier, equipment – one bus, no switchover

Runtime goal: 4 hours

Calculation: current draw (99%), number of battery strings, battery capacity, characteristics of battery (k-value)

Calculations:

<https://stats.uwsys.net/other/forecast/dc/>