

Specifications of the Mobex Exciter as follows

ECS-2100 MOBEX UNIT 5

Maximum Continuous Output Voltage 367 VDC

Maximum Continuous Output Current3200 DC
Amps

Maximum Ceiling Voltage.....756 VDC

Power Potential Transformer.....2727 KVA
3 Phase 60HZ Primary 20,000KVA Secondary 600 Volts

**(PPT to be modified to a 13.8 KV Primary 2400/4160Y x 7200/12470Y Secondary 600volts)*

Voltage Regulator.....

Cutler Hammer/Balser ECS-2100

Multi-Microprocessor based ECS2100 Digital Controller

+0.2% Voltage Regulation Accuracy

Performance response <20 ms

Redundant Controllers with Independent Supervisory Channel (options)

Six-SCR Power Rectifier Bridges Fixed and Drawer Type (options)

Provisions for field forcing levels up to 1500 Vdc

High Initial Response Per IEEE 421.2

Multiple Excitation Limiters with on-line and off-line settings

Generator optimization by real-time limiter set point recalibration

Integrated Dual Input Power System Stabilizer IEEE Type 2

Negative Field Forcing for highest system performance

Multiple Operating Modes with Auto-following

Multiple protection functions with on-line and off-line settings

Programmable input/output terminations

Programmable Sequencing provisions

Built-in Field Ground Protection (64F)

Interactive Display Panel (POWER MATE) for local and/or remote monitor and control

ccTool, a sophisticated software configuration program for setup and testing

Continuous self diagnostic capabilities

Transient event recording and data logging

Incorporates fiber optics for critical signals

Provisions for Field Flashing from Station Service