01-01 · ELECTRIC DRIVE & CONTROL

DC Control System

SCR drive and control for drilling rigs from 4000 to 9000 m, built on Hande's own R&D.

4000–9000 m
DRILLING DEPTH

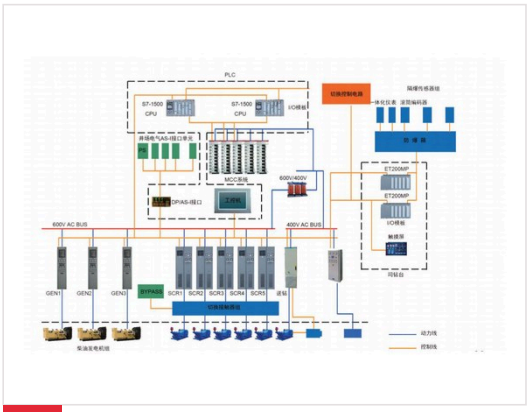
40D–90D
RIG CLASSES

5000 kVA
MAX GRID POWER INPUT

PLC
WITH EMERGENCY CONTROL

SYSTEM COMPOSITION

SCR systems for drilling rigs with drilling depths from 4000 to 9000 meters, produced with Hande's independent R&D technology. The system includes a power management system, SCR control unit, driller's console, electromagnetic brake control set, MCC, etc.



SYSTEM DIAGRAM

SYSTEM FEATURES

- Redundancy function
- Strong overload capacity
- High integration
- Strong anti-interference ability, high reliability
- Easy operation and maintenance

TECHNICAL PARAMETERS

Parameter	40D	50D	70D	90D
Grid power input capacity	2500kVA	3200kVA	4000kVA	5000kVA
Generator input capacity	1715kVA×3	1715kVA×3	1715kVA×4	1715kVA×5
Auxiliary generator input	400kW	400kW×2	400kW×2	400kW×2
Power transformer	1000kVA	1250kVA	1250kVA	1600kVA
Output voltage	600V & 400V & 220V			
MCC cabinet	4 sets	5 sets	6 sets	7 sets
Control system	PLC + emergency control			
IPC system	Available			

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