

Description

Canrig PowerFLOW combines supercapacitor energy storage with the SmartPOWER™ power management system to provide a true Peak Shaving® solution, reducing the required number of online generators.

The patented DC bus technology combined with the use of super capacitors allows PowerFLOW to provide immediate power for load spikes during tripping and other operations, maximizing energy capture during drawworks braking. PowerFLOW improves the drawworks motor acceleration curve and reduces the need for diesel generated power above base load.

Specifications

POWER RATING	3 MW
ENERGY STORAGE	91 kWh
CHARGE/DISCHARGE C-RATE (TYPICAL)	25 C
CHARGE/DISCHARGE C-RATE (PEAK)	50 C
AMPS (CONTINUOUS)	3,000 amps
AMPS (PEAK)	4,500 amps
TEMPERATURE (OPERATING)	-25°C to +55°C
TEMPERATURE (STORAGE/OFFLINE)	-40°C to +70°C
CHARGE/DISCHARGE CYCLES	500,000+ Cycles
LIFE EXPECTANCY	30+ Years
DISCHARGE TIME	9.5 Minutes @ 1,000 amps