

SPELREGEN-1 Series



Features and Benefits			
Series	Generic	Specific	Applications
SPELREGEN-1	82.0 VDC module, Low ESR, High Capacitance, long cycle life, Low leakage current.	High Voltage, Low ESR with high Energy Density	Regenerative Braking

Specifications	
Nominal Capacitance	100.0 F
Rated Voltage	82.0 VDC
Maximum Operational Voltage (Surge Voltage)	95.0 VDC
Nominal ESR	10.0 milli-Ohms
Operating Temperature Range	-40 deg C to +65 deg C
Construction (Type)	Module (32 Cells of 3200 Farad)
Dimensions (L x W x H)	(500 x 250 x 250) mm
Total Weight	27 Kgs.

Performance	
Energy Storage	80 Wh
Maximum Current	2000 Amps
Short Current	6000 Amps
Maximum Power	5000 W
Cycle-life at 50% discharge	>500,000 Cycles
Leakage current at 25 deg C	40 mA
Shelf-life at 25 deg. C	5 Years

WARNING : HIGH VOLTAGE : Never touch the Capacitor's power terminals. Any residual voltage can cause fatal electrical shocks. Always check with a calibrated meter that the module is discharged prior to handling. Please refer detail step by step instructions/procedure provided by **SPEL** for manual Capacitor discharge method.

Note : SPEL reserves the right to change or update, any technical information contained in this Product guide bulletin.