



THE POWERGRID™

THE BEST SOLUTION ON THE MARKET
FOR ADVANCED ENERGY STORAGE

CES COMMERCIAL

POWER GRID MODEL	PG90	PG180	PG250
NETWORK	CAN/MODBUS/COMBOX/RTU/	CAN/MODBUS/COMBOX/RTU/	CAN/MODBUS/COMBOX/RTU/
DC SPECIFICATIONS			
DC OUTPUT NOMINAL	950V	950V	950V
BATTERY EFFICIENCY	98.5	98.5	98.5
GROUND FAULT PROTECTION W/INDICATOR	GFDI RATED: 1 A	GFDI RATED: 1 A	GFDI RATED: 1 A
DC BUS GROUND	ENCLOSURE GROUND	ENCLOSURE GROUND	ENCLOSURE GROUND
AC COUPLING CHARGING VOLTS:	208-690V	208-690 V	208 -690 V
BATTERY SPECIFICATIONS			
BATTERY CHEMISTRY	LIFEMNP04-4	LIFEMNP04-4	LIFEMNP04-4
BATTERY VOLTAGE	950 NOMINAL -806.4 - 1,036 VDC OP.RANGE	950 NOMINAL - 806.4 -1,036 VDC OP. RANGE	950 NOMINAL - 806.4 -1,036 VDC OP.RANGE
BATTERY CAPACITY (C/2)	92,160 KWH, 97 AH	179,200 KWH, 189AH	250,880 KWH, 263 AH
MAX. DISCHARGE RATE	10C-15 SEC, LONG LIFE 0.5C	10C 15 SEC, LONG LIFE 0.5C	10C 15 SEC, LONG LIFE 0.5C
MAX. CHARGE RATE	3C / CONTINUOUS 600 AMPS	3C / CONTINUOUS 600 AMPS	3C / CONTINUOUS 600 AMPS
UNDER/OVER VOLTAGE PROTECTION	YES, MONITORED	YES, MONITORED	YES, MONITORED
LITHIUM CONTENT	28.57LBS TOTAL	55.55LBS TOTAL	77.77LBS TOTAL
CYCLE LIFE	8,000 AT 60% DOD	8,000 AT 60% DOD	8,000 AT 60% DOD
BATTERY MANAGEMENT SYSTEM	PROGRAMMED SOC/CALIBRATED W/CHARGER	PROGRAMMED SOC/CALIBRATED W/CHARGER	PROGRAMMED SOC/CALIBRATED W/CHARGER
MECHANICAL SPECIFICATIONS			
ENCLOSURE	NEMA I,II,III OPTIONS PER SPEC.	NEMA I,II,III OPTIONS PER SPEC.	NEMA I,II,III OPTIONS PER SPEC.
MATERIAL	MILD STEEL	MILD STEEL	MILD STEEL
COATING	POWDER COAT	POWDER COAT	POWDER COAT
MOUNTING	ANCHORED TO CONCRETE SLAB/LAG BOLTED TO WALL	ANCHORED TO CONCRETE SLAB/LAG BOLTED TO WALL	ANCHORED TO WALL & CONCRETE FLOOR/PAD
DISCONNECT	1000V -600 A, DC	1000V -600 A, DC	1000V -600 A, DC
GROUNDING	UTILITY GROUND	UTILITY GROUND	UTILITY GROUND
WEIGHT	2,266 LBS INCLUDING BATTERIES	4,170 LBS INCLUDING BATTERIES	5,738 LBS INCLUDING BATTERIES
VENTILATION REQUIRED	NONE	NONE	NONE
DIMENSIONS	65"W X 78"H X 30" D [13.75SF]	65"W X 78"H X 30" D [13.75 SF]	65"W X 78"H X 30" D [13.75 SF]
CERTIFICATIONS			
IN COMPLIANCE WITH/UL 1973 PENDING OTHER	CE, UL, US38.3, SAE, TUV, ISO9001, ECA CPUC INTERCONNECTION RULE 21, NEMA 3, NEC	CE, UL, US38.3, SAE, TUV, ISO9001, ECA CPUC INTERCONNECTION RULE 21, NEMA 3, NEC	CE, UL, US38.3, SAE, TUV, ISO9001, ECA CPUC INTERCONNECTION RULE 21, NEMA 3, NEC

For more information visit www.cleanenergystorage.net • 800-889-7998

