

THE POWERGRID™

THE BEST SOLUTION ON THE MARKET FOR
ADVANCED ENERGY STORAGE

CES RESIDENTIAL



POWER GRID MODEL	PG11	PG15	PG22
NETWORK	CAN/MODBUS/COMBOX/RTU/	CAN/MODBUS/COMBOX/RTU/	CAN/MODBUS/COMBOX/RTU/
DC SPECIFICATIONS			
DC OUTPUT NOMINAL	48 V	48 V	48 V
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:	194 -264V	194 264 V	194 264 V
BATTERY SPECIFICATIONS			
BATTERY CHEMISTRY	LIFEMNP04-3	LIFEMNP04-3	LIFEMNP04-3
BATTERY VOLTAGE	48 V NOMINAL - 40-64 VDC OP.RANGE	48 V NOMINAL - 40 -64 VDC OP.RANGE	48 V NOMINAL - 40 -64 VDC OP.RANGE
BATTERY CAPACITY (C/2)	11KWH, 210 AH	15.36 KWH, 319AH	22 KWH, 458 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 460 AMPS	3C/CONTINUOUS 460AMPS	3C/CONTINUOUS 460AMPS
UNDER/OVER VOLTAGE PROTECTION	YES, MONITORED	YES, MONITORED	YES, MONITORED
LITHIUM CONTENT	3.17 LBS TOTAL	4.76 LBS TOTAL	6.34 LBS 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 1,4 PER SPEC	NEMA 1,4 PER SPEC.	NEMA 1 & 4X 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	48V-600 A, DC	48V 600 A, DC	48V 600 A, DC
GROUNDING	UTILITY GROUND	UTILITY GROUND	UTILITY GROUND
WEIGHT	292 LBS INCLUDING 11.00 KWH BATTERIES	376 LBS INCLUDING 15.36 KWH BATTERIES	498 LBS INCLUDING BATTERIES
VENTILATION REQUIRED	NONE	NONE	NONE
DIMENSIONS	24"W X 65"H X 12"	24"W X 65"H X 12" D	24"W X 65"H X 12" D
CERTIFICATIONS			
IN COMPLIANCE WITH/UL 1973 PENDING OTHER	CE, UL, US38.3, SAE, TUV, ISO9001, ECAD 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

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