

GRID-TIE SOLAR SYSTEM

Challenger Series

MODEL NUMBER **008-A-GTP**

COMPONENT DATA

SOLAR PANELS

MAKE / MODEL	Q Cell / Q.Tron XL-G2.3 / BFG 630W
WATTAGE (STC / BSTC)	630 STC
TOTAL NUMBER OF PANELS	8

INVERTER

MAKE / MODEL	Fronius / Primo 5.0-1
MAX. ALLOWABLE DC INPUT VOLTAGE / CURRENT (FROM PV)	600 Volt / 36 Amp
MAXIMUM AC OUTPUT WITH GRID CONNECTION	5.0 kW
CONTINUOUS AC OUTPUT WITHOUT GRID CONNECTION	N/A
NUMBER OF INVERTERS	1
AC VOLTAGE / PHASE / FREQUENCY	240 Volts / Split Phase / 60 Hz
DC VOLTAGE TO BATTERIES	N/A
RECOMMENDED OPERATING TEMPERATURE RANGE	-40 to +131 Deg. F -40 to +55 Deg. C

ASSEMBLED SYSTEM ELECTRICAL DATA

COMPLETE SYSTEM

RATED DC POWER	5.04 kW
DC VOLTAGE / CURRENT (COMBINED STRINGS)	383 Volts / 14.6 Amps
MAXIMUM AC OUTPUT WITH GRID CONNECTION	5.0 kW
CONTINUOUS AC OUTPUT WITHOUT GRID CONNECTION	N/A
AC VOLTAGE / MAX CURRENT (COMBINED INVERTERS, IF APPLICABLE)	240 Volts @ 20.8 Amps
PHASE / FREQUENCY	Split Phase / 60 Hz

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