

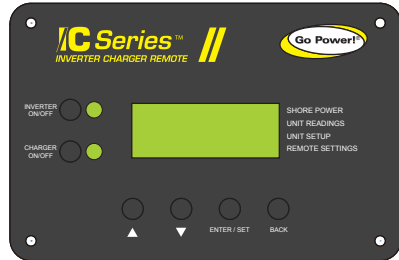




INVERTER CONFIGURATION SCENARIOS & BASIC POWER FLOW DIAGRAM

		PROJECT XPLORE RV - INVERTER OPERATION			
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		SIZE	CODE	DWG NO	REV 1
		CHECKED: 2/28/2023	SCALE: N/A	WEIGHT:	SHEET: 1 OF 5
APPROVED: 3/8/2023					
DRAWN BY: CHARLIE NEMEC					

INVERTER "ON" / CHARGER "ON"



**Inverter and charger turn on automatically when shore power is detected by the system. Manually turn on Inverter when AC power is needed and not connected to shore power.*

CAMPGROUND/"ON-GRID" - TYPICAL USE SCENARIO

WE RECOMMEND TURNING OFF INVERTER WHEN AC POWER IS NOT BEING USED TO PREVENT EXCESS BATTERY DRAIN AS WELL AS INVERTER OVERHEATING



110V AC COMPONENTS



INVERTER/CHARGER

12V DC COMPONENTS



BATTERY BANK



SHORE POWER / GENERATOR



PROJECT
XPLORE RV - INVERTER OPERATION

TITLE
POWER FLOW - SHORE POWER - INVERTER ON

APPROVED: 3/8/2023

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SIZE

CODE

DWG NO

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1

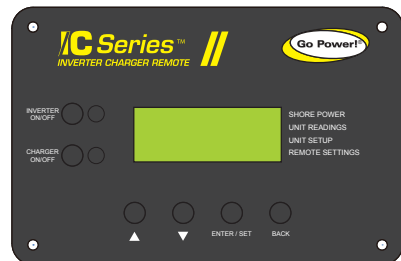
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SHEET: 2 OF 5

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INVERTER "OFF" / CHARGER "OFF"



**Inverter and charger turn on automatically when shore power is detected by the system. Manually turn on Inverter when AC power is needed and not connected to shore power.*

CAMPGROUND/"ON-GRID" - UNLIKELY SCENARIO

WE RECOMMEND TURNING OFF INVERTER WHEN AC POWER IS NOT BEING USED TO PREVENT EXCESS BATTERY DRAIN AS WELL AS INVERTER OVERHEATING



INVERTER/CHARGER



110V AC COMPONENTS



12V DC COMPONENTS



BATTERY BANK



SHORE POWER / GENERATOR



PROJECT
XPLORE RV - INVERTER OPERATION

TITLE
POWER FLOW - SHORE POWER - INVERTER OFF

APPROVED: 3/8/2023

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DRAWN BY: CHARLIE NEMEC

SIZE

CODE

DWG NO

REV

1

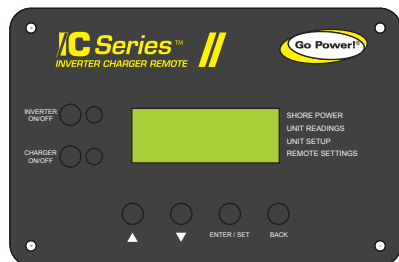
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SHEET: 3 OF 5

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INVERTER "OFF" / CHARGER "OFF"



**Inverter and charger turn on automatically when shore power is detected by the system. Manually turn on Inverter when AC power is needed and not connected to shore power.*

"OFF-GRID" - NOT USING AC POWER

WE RECOMMEND TURNING OFF INVERTER WHEN AC POWER IS NOT BEING USED TO PREVENT EXCESS BATTERY DRAIN AS WELL AS INVERTER OVERHEATING



INVERTER/CHARGER



110V AC COMPONENTS



12V DC COMPONENTS



SOLAR POWER



BATTERY BANK



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PROJECT
XPLORE RV - INVERTER OPERATION

TITLE
POWER FLOW - SOLAR CHARGE - INVERTER OFF

SIZE

CODE

DWG NO

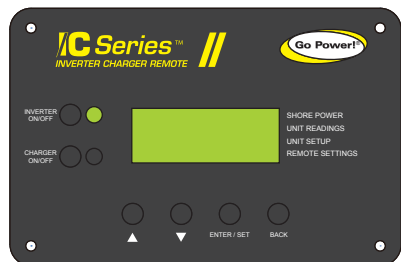
REV
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SCALE: N/A

WEIGHT:

SHEET: 4 OF 5

INVERTER "ON" / CHARGER "OFF"



**Inverter and charger turn on automatically when shore power is detected by the system. Manually turn on Inverter when AC power is needed and not connected to shore power.*

"OFF-GRID" - USING AC POWER

WE RECOMMEND TURNING OFF INVERTER WHEN AC POWER IS NOT BEING USED TO PREVENT EXCESS BATTERY DRAIN AS WELL AS INVERTER OVERHEATING



INVERTER/CHARGER



110V AC COMPONENTS



SOLAR POWER



BATTERY BANK

12V DC COMPONENTS



PROJECT
XPLORE RV - INVERTER OPERATION

TITLE
POWER FLOW - SOLAR CHARGE - INVERTER ON

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DWG NO

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1

SCALE: N/A

WEIGHT:

SHEET: 5 OF 5