






Introduction

Easy to operate and configure, our **K-series** line is an all-in-one solution for combining shore power and bus tie. Different switchboard configurations are available for single cord or dual cord. Enclosed in a NEMA Type 4X enclosure for durability in harsh environments. It works with your current transformers or we can provide as well. This unit is the perfect replacement for your outdated PM3 installations. The K-series was designed with easy use and install in mind. With optional daisy chainable 3-7" HMI you can have controls anywhere on your vessel for easy access. Our Nauti-Combiner can be installed in or near your existing electrical panel. Our System is continuously measuring voltage and current on your isolation transformers and generators. This allows the combiner to make intelligent decisions like when it is safe to combine, or if there is any faults detected it will correct, then combine. Below are some of the main features of the NC-K Series.

Features

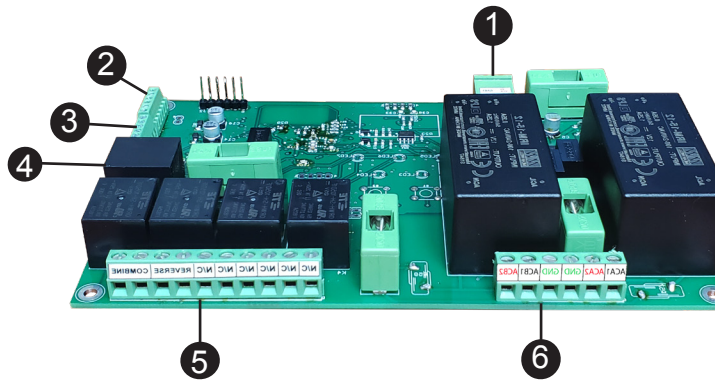
- Shore A / Shore B Combine
- Tie Bus A/B
- Load Balancing
- Meter Input Voltage
- Meter Current / Frequency
- 3 Phase Detection & Correction
- Reverse Phase
- Frequency Detection
- Single or Dual Load Bus

Electrical Specifications	
Supply Voltage	185VAC - 255VAC
Operating Current (w/wifi)	100mA - 250mA
ESD Susceptibility (HBM)	2kV
Storage Temperature	-40°C - +85°C
Operating Temperature	-20°C - +60°C
Humidity Range	95%

Optional Accessories	
	3" HMI Screen Capacitive Touchscreen
	5" HMI Screen Capacitive Touchscreen
	7" HMI Screen Capacitive Touchscreen

NC-K2 PCB

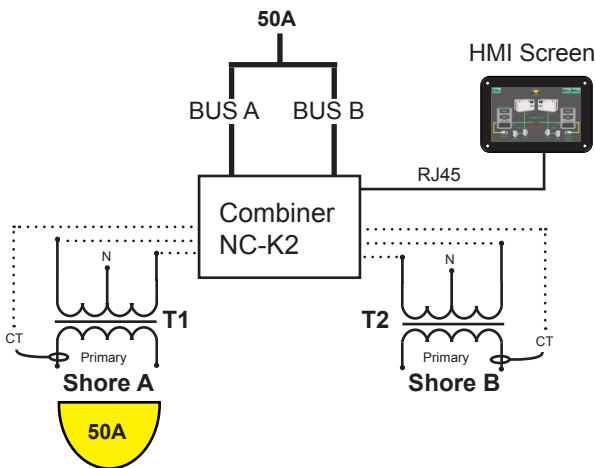
Combiner NC-K2



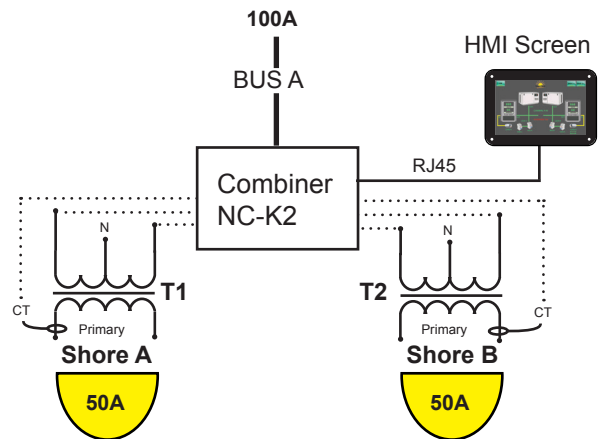
#	Description	#	Description
1	24VDC In from battery	4	RS485 (RJ45)
2	Current Transformers	5	Contactor Control
3	Feedback Inputs / Outputs	6	AC inputs / GND

Examples

DUAL LOAD BUS TIEBAR



SINGLE LOAD



Switchboard

