

# PORTABLE INVERTER CART

24 VOLT DC—110 & 220 VAC Single Phase & 220 Three Phase

## Dimension Inverter Model

ADI-24/6000HR5-3PHQ

ADI-24/12000HR5-3PHQ

Output Power:	6000 watts	12000 watts
Horsepower Rating: (NEC)	5 hp	10 hp
Output Current: (amps AC continuous)	16 amps/phase at 220 VAC	32 amps/phase at 220 VAC
(amps AC peak)	40 amps/phase at 220 VAC	80 amps/phase at 220 VAC
Output Surge:	17500 watts	35000 watts
Input Current:	up to 300 amps DC	up to 600amps DC
Weight:	375 lb	450 lb
Input Voltage:	22 to 30 VDC	
Output Voltage:	220Y/120 VAC RMS	
Efficiency:	Better than 85%	
Size:	17.75"x26.5"x11"	
Output Frequency:	60 HZ + 0.02%, 3 phase/1 phase	
Out Waveform	Quasi-sine wave, single pulse per phase, pulse width modulated	
Battery Charger Input:	110 AC (20 amp)	
Battery Charger Output:	40 amp/30 VDC	
External Connections:	120 AC/24 VDC Nato Plug	
Cart:	Size: 29"x29"x44"	Weight: 725 lb    Tires: 10" gel filled

Unit Protection: Automatic short circuit shutdown, Automatic high temperature shutdown, Automatic surge overload protection, Output circuit breaker

Other Design Features: Will withstand vibrating environment, Indication by LED of Inverter power, Low input voltage, Overload and High temperature, Elapsed time hour meter, Remote switch hook up.

Warranty: Full year parts and labor

Usage: Any 240 VAC, 60HZ, single or 3 phase and/or 120 VAC, 60HZ, single-phase tool, appliance or equipment within the inverters power rating that are not pure sine waveform sensitive.

## OPERATION

**1. Inverter Operates best if supported by outside source  
(Either hooked to 24 V vehicle or plugged into 110 outlet  
or solar charger)\***

**2. Turn inverter on and plug load cord into inverter  
(Three voltages are then available 110 & 220 VAC single phase & 220 three phase)**

**\*By plugging the inverter into an outside power source you maintain "Battery Pack"  
\*Inverter will operate unsupported from auxiliary power, but duration will be  
controlled by amount of load applied to inverter. If batteries get low (22VDC) they will  
automatically turn off inverter (at no time will AC voltage vary more than 0.02%)**

**\*PLEASE NOTE: INVERTER IS NOT WATER PROOF\***  
(Inverter is ventless for moisture and dust resistant but water can cause short circuits)