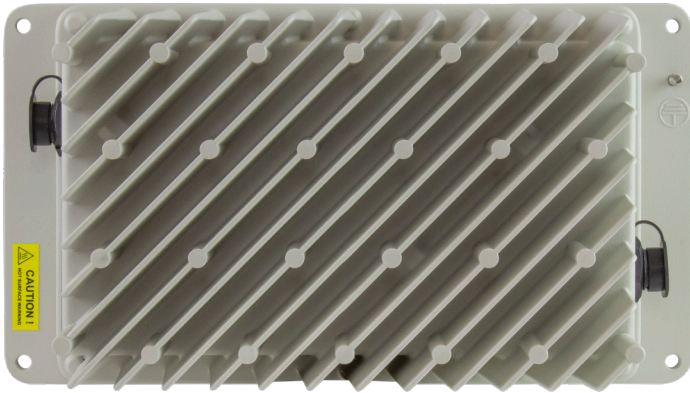




an EnerSys® company

INV90AC-400

-48VDC to 89/90/120VAC Inverter
Outdoor Strand Mount Inverter



- Outdoor inverter module remotely powers AC small cells, microcells and Wi-Fi access points
- Outdoor inverter module providing up to 400W output at 89/90/120VAC to power remote nodes
- Environmentally sealed for installation on strands, poles, and walls or in underground vaults
- Wide operating temperature range for deployment in harsh OSP environments
- Excellent output voltage regulation at $\pm 0.5V$

The INV90AC-400, outdoor strand mount inverter is the ideal solution for AC-powered small cells and other distributed devices. It is a compact, sealed, standalone, inverter unit to be used with either remote line powering equipment or with the existing HFC infrastructure.

The INV90AC-400 outdoor strand mount inverter can either be powered from a DC input (48VDC to 140VDC) or HFC input (50VAC to 126VAC) and provide up to 400W at 89/90/120VAC to power remote telecommunication equipment. Applications include powering Small Cells, MicroCells, WAPs and any other AC powered device where the installation location of the device doesn't always coincide with the availability of AC power source. The INV90AC-400 outdoor strand mount inverter is sealed to an IP67 rating or optional IP68 and may be discreetly deployed virtually anywhere: telecom vaults, pedestals, aerial strands, walls, lamp posts, poles, sides of buildings, bus stops, etc.

Remote line powering uses power from a centralized source, eliminating the need for AC utility or battery backup at the remote site. This not only reduces installation and operational expenses, but also provides a means to rapidly deploy networks with minimal dependency on the local electrical utility. The AC output of the INV90AC-400 outdoor strand mount inverter provides flexibility in selection of remote device powering options.

HFC (Hybrid Fiber Coax)* infrastructure leverages the cable operator's existing coax network to provide power to Small Cells. The INV90AC-400 will adapt to the HFC grid to transform the trapezoidal input power source and provide pure sinusoidal waveform for powering Small Cells at much tighter output voltage regulation.

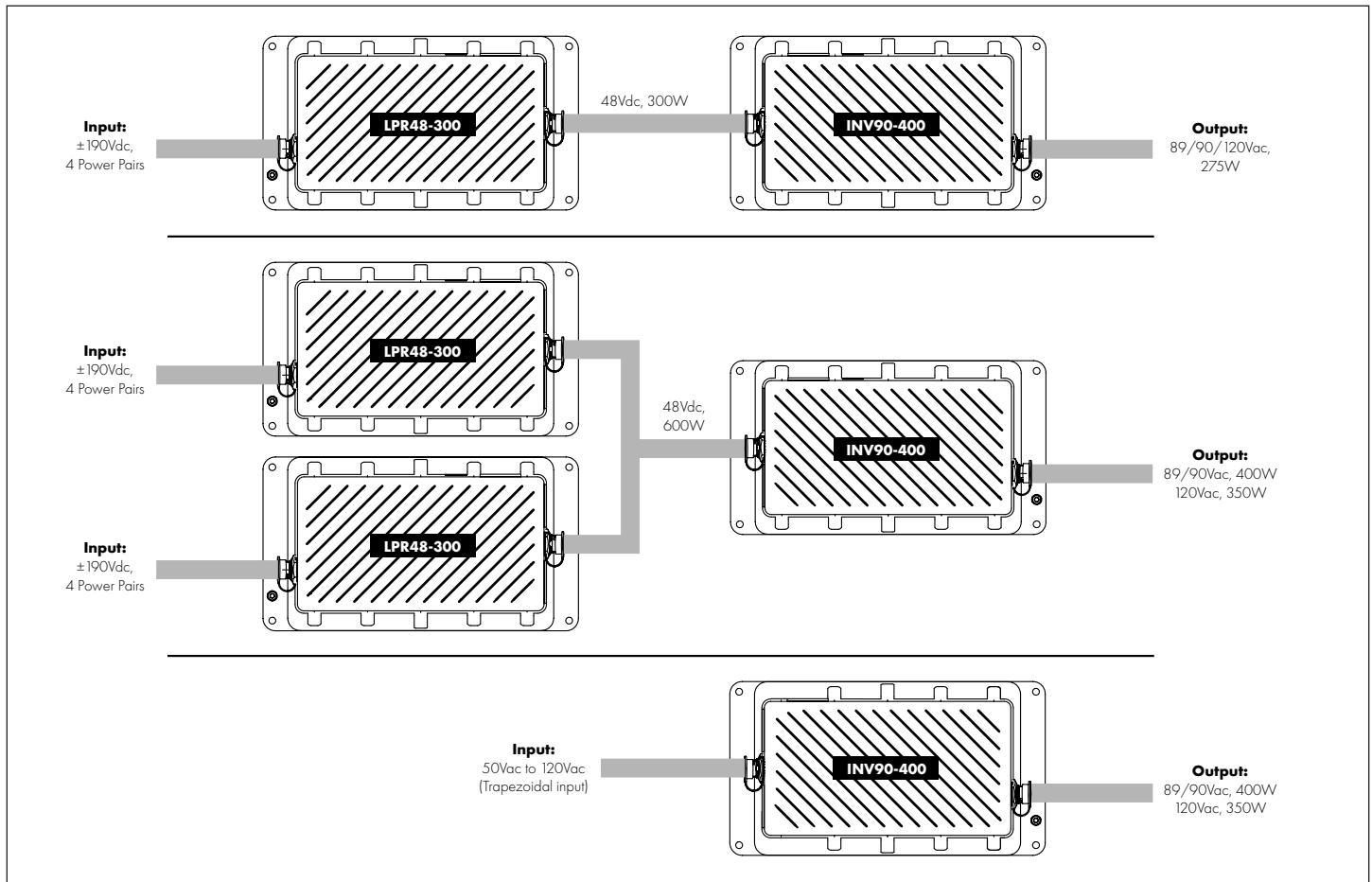
*Consult Factory

INV90AC-400 -48VDC to 89VAC/90VAC/ 120VAC Outdoor Strand Mount Inverter

P/N: 0120074-001

Electrical	
Input Voltage:	DC (48VDC to 140VDC) HFC (50VAC to 126VAC) – Single Phase
Input Frequency:	45Hz to 66Hz
Number of Inputs:	2 (HFC* or DC)
Output Voltage:	89/90/120VAC (user-selectable)
Output Power:	400W continuous; *500W for 1 second
Efficiency:	>92%
*Consult Factory	
Mechanical	
Dimensions:	mm: 91H x 255W x 140D inches: 3.58H x 10W x 5.5D
Weight:	3.1kg (6.82lbs)
Connections:	Requires cable kit with pre-connectorized input and output cable

Environmental	
Temperature:	Operation: -40 to 65°C (-40 to 149°F) Storage: -40 to 85°C (-40 to 185°F)
Environmental Protection:	IP67 or IP68 (optional)
Humidity:	5 to 95% RH
Elevation:	-500 to 2800m (-1640 to 9186ft)
Agency Compliance	
Safety:	<ul style="list-style-type: none"> • IEC/CSA/UL 60950-1, CE Mark • Low Voltage Directive 2006/95/EC GR-1089-CORE Safety & GR-3108
EMC:	<ul style="list-style-type: none"> • CFR47 (FCC) Part 15 Class A • EN 300 386-2 EMC



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