



HPRi Series Single Phase 15 kVA to 60 kVA Output Modular Inverter System

The Philtek HPRi Modular Inverter System features both Expandable and Redundant capabilities

The System is comprised of:

Inverter Modules “Plug and Play”

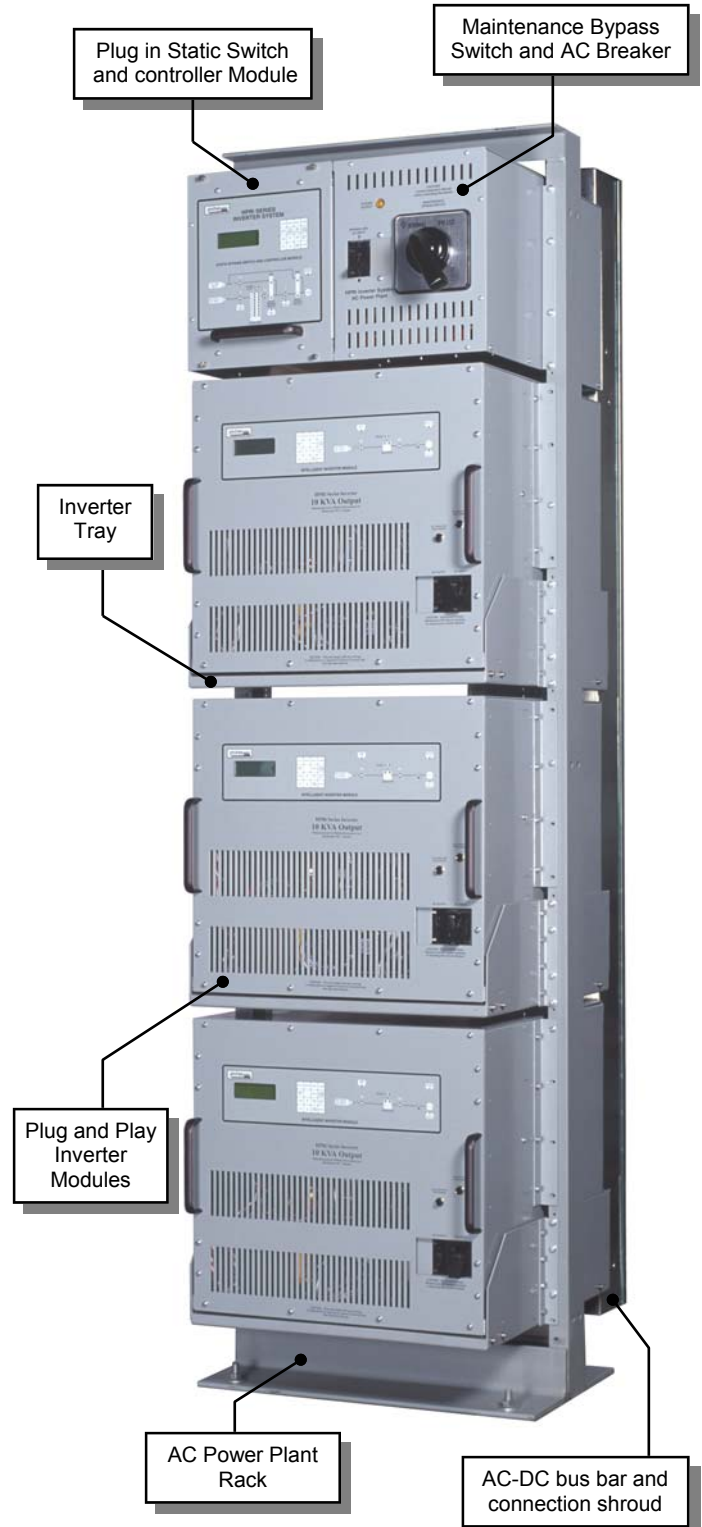
- Available with 5 KVA or 10 KVA output
- High frequency PWM technology, quiet operation
- Parallel connected with automatic load sharing
- “Hot Pluggable”, allows addition or removal of modules without de-energizing the system
- Inverter Output isolation transformer provides galvanic isolation between DC and AC circuits.

Static Bypass Switch and Controller

- 2 mSec transfer time, Online Mode
- Microprocessor Controlled with LCD display and Industrial style LED Mimic Diagram
- User configured to operate in the Online (Inverter preferred) or the Offline (AC line preferred) mode
- Provides an additional level of redundancy when operated in the Online Mode
- Plug in modular construction, can be removed or installed with no output interruption during Maintenance Bypass
- RS-232 Communication Port

AC Power Plant

- Constructed of heavy duty 23” Racks
- Make Before Break Maintenance Bypass Switch provides uninterrupted output during bypass
- AC line Circuit Breaker for overload protection during Static Bypass
- Fully enclosed AC and DC power bus bars, pre-wired to terminal blocks for external connections, simplifies installation
- Docking tray provides easy plug-in and removal of Inverter Module, will accept either a 5 kVA or a 10 kVA module
- 30 KVA system is only 24.5” x 29” in footprint and 84” in height



*Inverter System as shown above:
30 kVA Single Phase Output*

Inverter System Model Number (c/w AC Power Plant and SBS & Controller Module):

HPRi 60K - 120 - N + 2RN + OPTIONS

Max. AC Power Plant Output Power

15K: 15 kVA
20K: 20 kVA
25K: 25 kVA
30K: 30 kVA
50K: 50 kVA
60K: 60 kVA

Nominal DC Input Voltage

24: 24 Vdc
48: 48 Vdc
120: 120 Vdc
240: 240 Vdc

AC Output Voltage (1Φ)

N: 120V, 60Hz
A: 220V, 50Hz
AS: 230V, 50Hz
B: 120/240V, 60Hz
Y: 220V, 60Hz
YS: 230V, 60Hz

Options

SDC: Separate DC Inputs for each Inverter station.

SHE: Shroud Extender.

HM: History Module records 100 events with date and time stamp.

RS232: RS-232 interface. (Now standard on all HPRi systems)

RS485: Replaces the RS-232 interface with an RS-485 2-wire interface.

MB: Replaces the Philtek protocol with Modbus protocol for RS-232 or RS-485 interface.

SVW: External Status-Via-Web Ethernet device. Connect to the Inverter Systems RS-232 interface.

Number of Inverter Racks or Inverter Trays added to the standard Controller Rack.

Rx1T: 1 Rack with 1 Tray

Rx2T: 1 Rack with 2 Trays

Rx: 1 Rack with 3 Trays

2Rx: 2 Racks with 3 Trays

1T: 1 Tray added to Controller Rack

2T: 2 Trays added to Controller Rack

(x = AC Voltage [eg. N, A, AS, etc...])

Examples:

HPRi 15K-24-N+HM
HPRi 20K-240-B+RS485+MB
HPRi 25K-120-A+SHE
HPRi 30K-48-N+SDC+SHE+HM
HPRi 50K-240-Y+RY+SVW
HPRi 60K-120-B+2T

Inverter Module Model Number:

HPRi - INV2 - 10K - 120 - N

Output Power

5K: 5 kVA
10K: 10 kVA

Nominal DC Input Voltage

24: 24 Vdc
48: 48 Vdc
120: 120 Vdc
240: 240 Vdc

AC Output Voltage (1Φ)

N: 120V, 60Hz	E: 277V, 60Hz
A: 220V, 50Hz	AS: 230V, 50Hz
Y: 220V, 60Hz	YS: 230V, 60Hz

Not all combinations are available, please see specific brochures or contact Philtek.

For other configurations and options, please contact Philtek.

For More Information please Contact:

In Canada

In USA

Philtek Electronics Ltd. **Philtek Power Corp.**

Tel: (604) 270-4642

Tel: (360) 332-7252

Fax: (604) 270-8343

E-mail: info@philtek.com