HPi Telecom Inverters 23” Rack Mount
Price List and Selection Guide

Philtek 48 V Telecom Inverters
5 and 10 KVA Single Phase Output

HPi Inverters c/w Static Bypass Switch and External Maintenance Bypass Switch

Output Power @ 0.8 PF	Output Voltage	Model Number	Unit Price
5,000 VA	120 VAC 1Φ 60 Hz 2 wire	HPi 5K-48-N-MBSXR	
5,000 VA	120 /240VAC 1Φ 60 Hz 3wire	HPi 5K-48-B-MBSXR	
10,000 VA	120 VAC 1Φ 60 Hz 2 wire	HPi 10K-48-N-MBSXR	
10,000 VA	120 /240VAC 1Φ 60 Hz 3wire	HPi 10K-48-B-MBSXR	

Philtek 24 V Telecom Inverters
2.5 and 5.0 KVA Single Phase Output

HPi Inverters c/w Static Bypass Switch and External Maintenance Bypass Switch

Output Power @ 0.8 PF	Output Voltage	Model Number	Unit Price
2,500 VA	120 VAC 1Φ 60 Hz 2 wire	HPi 2.5K-24-N-MBSXR	
2,500 VA	120 /240VAC 1Φ 60 Hz 3wire	HPi 2.5K-24-B-MBSXR	
5,000 VA	120 VAC 1Φ 60 Hz 2 wire	HPi 5K-24-N-MBSXR	
5,000 VA	120 /240VAC 1Φ 60 Hz 3wire	HPi 5K-24-B-MBSXR	

HPi Options Available

Code	Description	Price

EMD	Enhanced Meter Display • System Output Voltage Current and Frequency • Inverter Output Voltage and Frequency • AC Line Voltage and Frequency • DC Input Voltage and Current	
RS232	RS232 Communication Port allows remote control and diagnosis	

HPRi 48 V Telecom Inverters
Up to 60 KVA 1Φ, 180 KVA 3Φ Output

HPRi Modular Parallel Inverter System Price List and Selection Guide

To configure a HPRi Inverter System you will need to select:

a) A HPRi AC Power Plant from **Table A**, **B**, **C** or **D**
b) HPRi Inverter Module(s) from **Table E** and **F**
c) Options, if required, from **Table G**

AC Power Plant Selection

The AC Power Plant is the framework and infrastructure of the inverter system. It includes Inverter trays with receptacles, a plug-in Static Switch and Controller, a Maintenance Bypass Switch and a Bypass AC Circuit Breaker. You should size it for your maximum future power requirement. From **Table A**, **B, C** or **D**, select the output power from the first column, the output voltage from the second, and then determine the model number from the third.

Inverter Modules Selection

The Inverter Modules are the building blocks of the system. You may use a minimum quantity of inverter modules for you immediate requirement (select from **Table F**), and populate the AC Power Plant with additional modules later as your power requirements grow. The "Hot-Pluggable" feature allows you to add or remove modules without the need of shutting down the system. Select the model and quantity of inverter modules from **Table E** and **F.**

Options Selection

All available options in **Table G** are factory installed in the AC Power Plant. The prices are listed in **Table G**, determined by the Configuration Code of the selected AC Power Plant (in **Table A, B, C** or **D**) and the option code (in **Table G**)

Ordering Example 1
You have an immediate AC power requirement of 120 VAC 1Φ at 5 KVA, and a possible future expansion to 10 KVA N+1 (same as 15 KVA with no redundancy) , and you do not want any options.

Select from Table(s)	Item	Model No.	Qty	Unit Price	Extension
A	AC Power Plant	**HPRi 15K-48-N**	1		
E & F	Inverter Module	**HPRi-INV-5K-48-N**	1		
				Total:	

Ordering Example 2
You have an immediate AC power requirement of 120 VAC 1Φ at 10 KVA, and a possible future expansion to 30 KVA, and you also want the SDC option.

Select from Table(s)	Item	Model No.	Qty	Unit Price	Extension
A	AC Power Plant	**HPRi30K-48-N**	1		
E & F	Inverter Module	**HPRi-INV-10K-48-N**	1		
G & H	Option & Config. Code	**SDC** (1.1.1)	1		
				Total:	

Ordering Example 3
You have an immediate AC power requirement of 120/208 VAC 3Φ at 30 KVA and a possible future expansion to 90 KVA N+1, and you also want the SDC and RS232 options.

Select from Table(s)	Item	Model No.	Qty	Unit Price	Extension
B	AC Power Plant	**HPRi 90K-48-3N+4R3N**	1		
E & F	Inverter Module	**HPRi-INV-10K-48-N**	3		
G & H	Option & Config. Code	**SDC** (5.4.4)	1		
G & H	Option & Config. Code	**RS232** (5.4.4)	1		
				Total:	

Ordering Example 4

You have an immediate AC power requirement of 120/208VAC 3Φ at 75 KVA and a possible future expansion to 150 KVA, and you also want the Z4, SHE, SDC, RS232, HM and SVW with SNMP options. Since the three phase system requires multiples of three (3) inverter modules for expansion, and only 10 KVA modules are available for the output voltage. You will need 9 x 10 KVA modules to meet your 75 KVA initial power requirement.

Select from Table(s)	Item	Model No.	Qty	Unit Price	Extension
C	AC Power Plant	**HPRi 180K-48-3N+5R3N**	1		
E & F	Inverter Module	**HPRi-INV-10K-48-N**	9		
G & H	Option & Config. Code	**Z4** (6.5.5)	1		
G & H	Option & Config. Code	**SHE** (6.5.5)	1		
G & H	Option & Config. Code	**SDC** (6.5.5)	1		
G & H	Option & Config. Code	**RS232** (6.5.5)	1		
G & H	Option & Config. Code	**HM** (6.5.5)	1		
G & H	Option & Config. Code	**SVW** (6.5.5)	1		
G & H	Option & Config. Code	**SNMP** (6.5.5)			
				Total:	

Table A AC Power Plant, up to 60 KVA, 1 Φ

Output Power @ 0.8 PF	Output Voltage	AC Power Plant Model Number	Maximum Inverter Modules Accommodated	Config Code	**Unit Price** AC Power Plant only
15,000 VA	120 VAC 60 Hz 2 W	**HPRi 15K-48-N**	3 x 5 KVA HPRi-INV-5K-48-N	1.1.1	
15,000 VA N+1	120 VAC 60 Hz 2 W	**HPRi 15K-48-N+RN1T**	4 x 5 KVA HPRi-INV-5K-48-N	2.1.1	
30,000 VA	120 VAC 1Φ 60 Hz 2 W	**HPRi 30K-48-N**	3 x 10 KVA HPRi-INV-10K-48-N	1.1.1	
30,000 VA N+1	120 VAC 1Φ 60 Hz 2 W	**HPRi 30K-48-N+RN1T**	4 x 10 KVA HPRi-INV-10K-48-N	2.1.1	
60,000 VA	**120 /240VAC 1Φ 60 Hz 3W**	**HPRi 60K-48-B+2RN**	6 x 10 KVA HPRi-INV-10K-48-N	3.2.2	
60,000 VA N+1	**120 /240VAC 1Φ 60 Hz 3W**	**HPRi 60K-48-B+2RN+2T**	8 x 10 KVA HPRi-INV-10K-48-N	3.2.3	

Table B AC Power Plant, up to 90 KVA, 3 Φ

Output Power @ 0.8 PF	Output Voltage	AC Power Plant Model Number	Maximum Inverter Modules Accommodated	Config Code	**Unit Price** AC Power Plant only
15,000 VA	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 30K-48-3N**	3 x 5 KVA HPRi-INV-5K-48-N	1.1.1	
15,000 VA N+1	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 30K-48-3N+R3N**	6 x 5 KVA HPRi-INV-5K-48-N	2.2.2	
30,000 VA	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 30K-48-3N**	3 x 10 KVA HPRi-INV-10K-48-N	1.1.1	
30,000 VA N+1	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 30K-48-3N+R3N**	6 x 10 KVA HPRi-INV-10K-48-N	2.2.2	
60,000 VA	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 90K-48-3N+2R3N**	6 x 10 KVA HPRi-INV-10K-48-N	3.2.2	
90,000 VA	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 90K-48-3N+3R3N**	9 x 10 KVA HPRi-INV-10K-48-N	4.3.3	
90,000 VA N+1	120 /208 VAC 3Φ 60 Hz 4W	**HPRi 90K-48-3N+4R3N**	12 x 10 KVA HPRi-INV-10K-48-N	5.4.4	

Table C AC Power Plant, up to 180 KVA 3 Φ 120/208V 4W

Output Power @ 0.8 PF	Output Voltage	AC Power Plant Model Number	Maximum Inverter Modules Accommodated	Config Code	**Unit Price** AC Power Plant only
90,000 VA	**120/208 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3N+3R3N**	9 x 10 KVA HPRi-INV-10K-48-N	4.3.3	
120,000 VA	**120/208 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3N+4R3N**	12 x 10 KVA HPRi-INV-10K-48-N	5.4.4	
150,000 VA	**120/208 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3N+5R3N**	15 x 10 KVA HPRi-INV-10K-48-N	6.5.5	
180,000 VA	**120/208 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3N+6R3N**	18 x 10 KVA HPRi-INV-10K-48-N	7.6.6	
180,000 VA N +1	**120/208 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3N+7R3N**	21 x 10 KVA HPRi-INV-10K-48-N	8.7.7	

Table D AC Power Plant, up to 180 KVA 3 Φ 277/480V 4W

Output Power @ 0.8 PF	Output Voltage	AC Power Plant Model Number	Maximum Inverter Modules Accommodated	Config Code	**Unit Price** AC Power Plant only
90,000 VA	**277/480 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3E+3R3E**	9 x 10 KVA HPRi-INV-10K-48-E	4.3.3	
120,000 VA	**277/480 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3E+4R3E**	12 x 10 KVA HPRi-INV-10K-48-E	5.4.4	
150,000 VA	**277/480 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3E+5R3E**	15 x 10 KVA HPRi-INV-10K-48-E	6.5.5	
180,000 VA	**277/480 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3E+6R3E**	18 x 10 KVA HPRi-INV-10K-48-E	7.6.6	
180,000 VA N +1	**277/480 VAC** 3Φ 60 Hz 4W	**HPRi180K-48-3E+7R3E**	21 x 10 KVA HPRi-INV-10K-48-E	8.7.7	

Table E Inverter Modules

Model No.	Output Power @ 0.8 PF	Output Voltage	For AC Power Plants in Tables	Price each Qty 1 to 2	Price each Qty 3 +
HPRi-INV-5K-48-N	5,000 VA	120V 1Φ	A and B only		

HPRi-INV-10K-48-N	10,000 VA	120V 1Φ	A , B and C		
HPRi-INV-10K-48-E	10,000 VA	277V 1Φ	D only		

Table F Minimum quantity of Inverter Modules

System Output Voltage	Minimum quantity for initial operation	Multiple quantity for each expansion
120 VAC 1Φ 60 Hz 2 W	1 Inverter module	1 Inverter Module
120 /240VAC 1Φ 60 Hz 3W	2 Identical Inverter modules	2 Identical Inverter modules
120 /208 VAC 3Φ 60 Hz 4W	3 Identical Inverter modules	3 Identical Inverter modules
277 /480 VAC 3Φ 60 Hz 4W	3 Identical Inverter modules	3 Identical Inverter modules

Table G AC Power Plant Options

Code	Description
Z4	AC Power Plant constructed of seismic zone 4 rated rack. Note that the entire system has ***not*** been tested to meet seismic zone 4 requirement
SHE	Shroud Extender, increase connection shroud depth to 10”
SDC	Separate DC bus for inverter DC inputs
RS232	RS232 Com Port
HM	History Module, logs 100 events
SVW	External Web Server, to Monitor and Control the Inverter System via the Internet or Intranet using MS Internet Explorer, requires the RS232 option
SNMP	SNMP Protocol added to the SVW External Web Server

Table H AC Power Plant Options Price List

Config. Code	**Z4**	**SHE**	**SDC**	**RS232**	**HM**	**SVW**	**SNMP**
1.1.1							
2.1.1							
2.2.2							
3.2.2							
3.2.3							

4.3.3							
5.4.4							
6.5.5							
7.6.6							
8.7.7							

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