



No : 010 / PT.KPA SBY/UPS/XII/2019
Hal : **Surat Penawaran Produk UPS YOSHIGA**
Lampiran : Daftar Harga & Brosur

Kepada Yth.

Direktur Rumah Sakit Mata Undaan Surabaya
Jl. Undaan Kulon 17-19 Surabaya, Jawa Timur.
Di Tempat

Dengan hormat,

Komputer adalah salah satu perangkat elektronik yang sangat rentan terhadap masalah ketidakstabilan arus dan tegangan listrik. Ketidakstabilan listrik ini pertama-tama akan menyerang power supply dan komponen motherboard merupakan komponen yang sangat vital dan mahal.

Untuk mengamankan komponen dari kerusakan maka komputer sebaiknya dihubungkan dengan alat *Uninterruptible Power Supplies* atau disebut UPS (*perangkat elektronik yang menyediakan cadangan listrik sementara ketika arus listrik terputus*). Berikut tiga fungsi utama peralatan UPS yaitu :

- 1) **Memberikan cadangan listrik sementara.**
- 2) **Alat untuk menstabilkan tegangan listrik.**
- 3) **Sebagai alat bantu back up data** (*ketika tiba-tiba sumber arus terputus, semua data yang sedang diproses bisa diamankan lebih dulu baru kemudian computer dimatikan*).

kami **PT.Karya Putra Andalan Surabaya** bermaksud mengajukan penawaran produk UPS YOSHIGA dengan beberapa jenis tipe produk dan harga e-Katalog LKPP. Demikian surat penawaran ini kami ajukan, atas perhatian dan kerjasamanya kami haturkan terima kasih. (**CP Marketing : Arief Budi R- 081331128822**)

Surabaya, 10 Desember 2019

Hormat kami



Ahmad Muhtarom
Direktur










YOSHIGA

Advanced Power Solution

ONLINE SINEWAVE UPS

*Customization Oriented
High Stability
High Reliability*

Typical applications:

Data Centers 	Electric Medical Devices Applications 	Telecom Applications 	Local Area Networks 	Cash Register 
E-Business (Services Farms, ISP/ASP/POP) 	Personal Computer 	Small Computers Network 	Services 	



HPT33 Series 10-60kVA

FULL PROTECTION



Lightning Protection



Surge Protection



Humidity Protection



Dust Protection

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Lightning Protection



Surge Protection



Humidity Protection



Dust Protection

Smart management

- RS232 /RS485
- 1000pcs event logs
- Smart Battery management
- DB9 Dry contact communication
- Self diagnosis and protection function
- Convenient and Multi-functional parameter setting

Added-value service

- Touch screen SNMP adapter grade upgrade
- Dust filter design ● Temperature sensor

Customized Design

We can provide configuration of accessories according to different application such as Data center, Telecom systems, Precision instrument, Financial systems, special application condition of communication system and other industries, we offer one-stop integrated solution to you.

Customized design

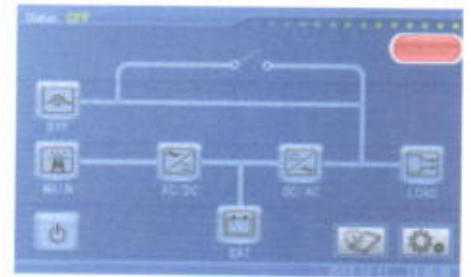
- Back-feed protection
- Parallel configuration
- External bypass cabinet
- Input/Bypass isolation transformer

Intelligent battery monitor system-MMBM

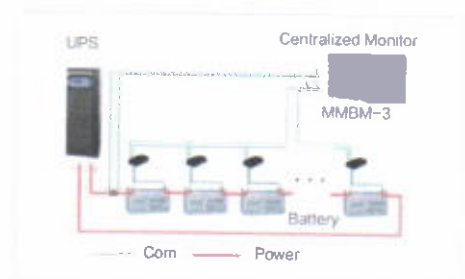
- Smart diagnosis status
- Real time abnormal alarm
- Record and save event logs
- Real time monitoring parameters

Flexible network management

- SNMP adapter
- Fancy touch screen
- Environment monitor system
- Modbus for remote management
- Remote touch screen monitoring-HMI



Touch screen



MMBM-3 Battery monitor system



Environment monitor solution

Technical Specifications

ModelName		HPT3310S/ HPT3310	HPT3320S/ HPT3320	HPT3330S/ HPT3330	HPT3340	HPT3350	HPT3360	
I N P U T	Voltage (Vac)	380/400/415 ± 25% (-45% in half load)						
	Frequency (Hz)	50/60 ± 10%						
	Bypass Voltage (Vac)	380/400/415+15%(+20% selectable)/-25%						
	Power Factor	≥0.99						
	Phase	3 φ 4W+PE						
O U T P U T	Capacity (PF)	0.9(0.8,1.0 optional)						
	Voltage (Vac)	L-N: 220/230/240 ± 2% , L-L: 380/400/415 ± 2%						
	Frequency (Hz)	50/60 ± 0.2%(battery mode)						
	Phase	3 φ 4W+PE						
	Unbalance three-phase voltage stabilization with full load	≤2%						
	Waveform	Pure sine wave, THD<3% at linear load						
	Transfer Time	0						
	Efficiency	≥91%						
	Overload	130% load for 1 minute, 150% load for 10 seconds						
B A T T E R Y	Battery voltage (Vdc)	348 (29 -30 selectable)						
	Battery type	29 × 7Ah12V/ External	58 × 7Ah12V/ External	58 × 7Ah12V/ External	External			
	Charging Current (A)	1.5(2.3 optional)/3(4.5 optional)		2,3/4.5	3(6A optional)			
O T H E R	Maintenance Bypass	Yes						
	Communication Interface	RS232/RS485, DB9 dry contact (MODBUS and SNMP adapter are optional)						
	Display	LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicates running status						
	Alarm	AC input abnormal, low battery, overload, failure						
	Protection	Output short-circuit, overload, over-temperature, battery low voltage, output over/low voltage						
	Noise(dB)	< 65						
	Protection Class	IP20 (IP31 optional)						
	Approvals	CE(EN62040-2, IEC 62040-1)						
	Working Temperature	0 - 40℃						
	Relative Humidity	0 - 95%, No condensation						
	Dimension (W × D × H)(mm)	400 × 800 × 1600 / 400 × 800 × 1180				500 × 800 × 1600		
	Weight(Kg)	Standard / Long backup	200/105	210 / 115	330 / 125	215	235	255

◆ Specifications are subject to change without prior notice.



HARGA UPS YOSHIGA
HARGA E-KATALOG TH 2019 (BHINNEKA.COM)
WARRANTY 1 TAHUN

NO	TIPE YOSHIGA	Phase	KVA	KW	POWER FACTOR	Back Up Time	HARGA E-KATALOG (INCL PPN)	NO ID E-KATALOG
1	HPT 1	1/1	1 KVA	1 KW	1	5 - 10 Menit	Rp 7.260.000,00	39121011-PKM-000500634
2	HPT 2	1/1	2 KVA	2 KW	1	5 - 10 Menit	Rp 12.446.000,00	39121011-PKM-000500629
3	HPT 3	1/1	3 KVA	3 KW	1	5 - 10 Menit	Rp 14.520.500,00	39121011-PKM-000500624
4	HPT 3T	1/1	3 KVA	2,7 KW	0,9	5 - 10 Menit	Rp 20.743.000,00	39121011-PKM-000500605
5	HPR 1	1/1	1 KVA	0,9 KW	0,9	5 - 10 Menit	Rp 6.828.500,00	39121011-PKM-000500628
6	HPR 2	1/1	2 KVA	1,8 KW	0,9	5 - 10 Menit	Rp 17.484.000,00	39121011-PKM-000500620
7	HPR 3	1/1	3 KVA	2,7 KW	0,9	5 - 10 Menit	Rp 20.743.000,00	39121011-PKM-000500622
8	HPR 6	1/1	6 KVA	5,4 KW	0,9	5 - 10 Menit	Rp 35.264.000,00	39121011-PKM-000500621
9	HPR 10	1/1	10 KVA	9 KW	0,9	5 - 10 Menit	Rp 41.931.000,00	39121011-PKM-000500623
10	GPM 6	1/1	6 KVA	5,4 KW	0,9	5 - 10 Menit	Rp 37.337.500,00	39121011-PKM-000500613
11	GPM 10	1/1	10 KVA	9 KW	0,9	5 - 10 Menit	Rp 85.890.500,00	39121011-PKM-000500612
12	GPI 31 - 10	3/1	10 KVA	8 KW	0,8	5 - 10 Menit	Rp 94.708.000,00	39121011-PKM-000500638
13	GPI 31 - 20	3/1	20 KVA	16 KW	0,8	5 - 10 Menit	Rp 155.553.000,00	39121011-PKM-000500637
14	GPI 31 - 30	3/1	30 KVA	24 KW	0,8	5 - 10 Menit	Rp 223.581.500,00	39121011-PKM-000500635
15	GPI 31 - 40	3/1	40 KVA	32 KW	0,8	5 - 10 Menit	Rp 245.183.000,00	39121011-PKM-000500633
16	GPI 31 - 50	3/1	50 KVA	40 KW	0,8	5 - 10 Menit	Rp 298.487.000,00	39121011-PKM-000500630
17	GPI 33 - 10	3/3	10 KVA	10 KW	1	10 - 15 Menit	Rp 171.658.000,00	39121011-PKM-000500627
18	GPI 33 - 20	3/3	20 KVA	20 KW	1	10 - 15 Menit	Rp 215.649.000,00	39121011-PKM-000500626
19	GPI 33 - 30	3/3	30 KVA	30 KW	1	10 - 15 Menit	Rp 269.670.000,00	39121011-PKM-000500625
20	GPI 33 - 40	3/3	40 KVA	40 KW	1	10 - 15 Menit	Rp 346.850.500,00	39121011-PKM-000500615
21	GPI 33 - 50	3/3	50 KVA	50 KW	1	10 - 15 Menit	Rp 405.682.000,00	39121011-PKM-000500614
22	GPI 33 - 60	3/3	60 KVA	60 KW	1	10 - 15 Menit	Rp 435.311.500,00	39121011-PKM-000500616
23	GPI 33 - 80	3/3	80 KVA	80 KW	1	10 - 15 Menit	Rp 597.512.500,00	39121011-PKM-000500609
24	GPI 33 - 100	3/3	100 KVA	100 KW	1	10 - 15 Menit	Rp 699.203.000,00	39121011-PKM-000500611
25	GPI 33 - 120	3/3	120 KVA	120 KW	1	10 - 15 Menit	Rp 779.483.000,00	39121011-PKM-000500610
26	GPI 33 - 160	3/3	160 KVA	160 KW	1	10 - 15 Menit	Rp 991.686.500,00	39121011-PKM-000500607
27	GPI 33 - 200	3/3	200 KVA	200 KW	1	10 - 15 Menit	Rp 1.354.937.500,00	39121011-PKM-000500608
28	GPI 33 - 300T	3/3	300 KVA	300 KW	1	10 - 15 Menit	Rp 2.371.558.000,00	39121011-PKM-000500639
29	GPI 33 - 400T	3/3	400 KVA	400 KW	1	10 - 15 Menit	Rp 2.587.310.500,00	39121011-PKM-000500636
30	GPI 33 - 500T	3/3	500 KVA	500 KW	1	10 - 15 Menit	Rp 3.515.164.500,00	39121011-PKM-000500632
31	GPI 33 - 600T	3/3	600 KVA	600 KW	1	10 - 15 Menit	Rp 3.893.573.500,00	39121011-PKM-000500631
32	GPH 33 - 10	3/3	10 KVA	10 KW	1	15 - 30 Menit	Rp 222.853.000,00	39121011-PKM-000499120
33	GPH 33 - 20	3/3	20 KVA	20 KW	1	15 - 30 Menit	Rp 297.897.500,00	39121011-PKM-000499114
34	GPH 33 - 30	3/3	30 KVA	30 KW	1	15 - 30 Menit	Rp 317.467.000,00	39121011-PKM-000499111
35	GPH 33 - 40	3/3	40 KVA	40 KW	1	15 - 30 Menit	Rp 434.255.500,00	39121011-PKM-000499116
36	GPH 33 - 50	3/3	50 KVA	50 KW	1	15 - 30 Menit	Rp 468.054.000,00	39121011-PKM-000498381
37	GPH 33 - 60	3/3	60 KVA	60 KW	1	15 - 30 Menit	Rp 506.211.000,00	39121011-PKM-000499112
38	GPH 33 - 80	3/3	80 KVA	80 KW	1	15 - 30 Menit	Rp 725.279.500,00	39121011-PKM-000499115
39	GPH 33 - 100	3/3	100 KVA	100 KW	1	15 - 30 Menit	Rp 800.958.500,00	39121011-PKM-000499118
40	GPH 33 - 120	3/3	120 KVA	120 KW	1	15 - 30 Menit	Rp 894.184.000,00	39121011-PKM-000499117
41	GPH 33 - 160	3/3	160 KVA	160 KW	1	15 - 30 Menit	Rp 1.103.612.000,00	39121011-PKM-000499119
42	GPH 33 - 200	3/3	200 KVA	200 KW	1	15 - 30 Menit	Rp 1.574.809.500,00	39121011-PKM-000499113
43	GPH 33 - 250	3/3	250 KVA	250 KW	1	15 - 30 Menit	Rp 2.116.449.500,00	39121011-PKM-000499110
44	GPH 33 - 300T	3/3	300 KVA	300 KW	1	15 - 30 Menit	Rp 3.214.916.500,00	39121011-PKM-000499093
45	GPH 33 - 400T	3/3	400 KVA	400 KW	1	15 - 30 Menit	Rp 3.463.525.000,00	39121011-PKM-000499091
46	GPH 33 - 500T	3/3	500 KVA	500 KW	1	15 - 30 Menit	Rp 4.982.897.500,00	39121011-PKM-000499094
47	GPH 33 - 600T	3/3	600 KVA	600 KW	1	15 - 30 Menit	Rp 5.484.192.000,00	39121011-PKM-000499090
48	HEXA HIP 33 - 10	3/3	10 KVA	9 KW	0,9	5 Menit	Rp 125.130.000,00	39121011-PKM-004649404
49	HEXA HIP 33 - 20	3/3	20 KVA	18 KW	0,9	5 Menit	Rp 142.872.000,00	39121011-PKM-004649403
50	HEXA HIP 33 - 30	3/3	30 KVA	27 KW	0,9	5 Menit	Rp 181.157.500,00	39121011-PKM-004649402
51	HEXA HIP 33 - 40	3/3	40 KVA	36 KW	0,9	5 Menit	Rp 222.805.500,00	39121011-PKM-004649401
52	HEXA HIP 33 - 60	3/3	60 KVA	54 KW	0,9	5 Menit	Rp 325.337.000,00	39121011-PKM-004649399
53	HEXA HIP 33 - 80	3/3	80 KVA	72 KW	0,9	5 Menit	Rp 386.221.500,00	39121011-PKM-004649388
54	HEXA HIP 33 - 100	3/3	100 KVA	90 KW	0,9	5 Menit	Rp 526.665.500,00	39121011-PKM-004649387
55	HEXA HIP 33 - 120	3/3	120 KVA	108 KW	0,9	5 Menit	Rp 595.767.000,00	39121011-PKM-004649386
56	HEXA HIP 33 - 160	3/3	160 KVA	144 KW	0,9	5 Menit	Rp 730.235.000,00	39121011-PKM-004649385
57	HEXA HIP 33 - 200	3/3	200 KVA	180 KW	0,9	5 Menit	Rp 902.054.500,00	39121011-PKM-004649384
58	PENTA 1000	1/1	1 KVA	0,9 KW	0,9	5 Menit	Rp 7.505.500,00	39121011-PKM-004651524
59	PENTA 2000	1/1	2 KVA	1,8 KW	0,9	5 Menit	Rp 12.895.500,00	39121011-PKM-004651523
60	PENTA 3000	1/1	3 KVA	2,7 KW	0,9	5 Menit	Rp 14.434.000,00	39121011-PKM-004651522
61	PENTA 6000	1/1	6 KVA	5,4 KW	0,9	5 Menit	Rp 41.013.500,00	39121011-PKM-004651521
62	PENTA 10000	1/1	10 KVA	9 KW	0,9	5 Menit	Rp 47.365.000,00	39121011-PKM-004651520

HARGA UPS YOSHIGA
HARGA E-KATALOG TH 2019 (BHINNEKA.COM)
WARRANTY 2 TAHUN

NO	TIPE YOSHIGA	Phase	KVA	KW	POWER FACTOR	Back Up Time	HARGA E-KATALOG (INCL. PPN)	NO ID E-KATALOG
01	GPI 33 - 10	3/3	10 KVA	10 KW	1	10 - 15 Menit	Rp 187.411.500,00	39121011-PKM-000500002
02	GPI 33 - 20	3/3	20 KVA	20 KW	1	10 - 15 Menit	Rp 239.834.000,00	39121011-PKM-000500001
03	GPI 33 - 30	3/3	30 KVA	30 KW	1	10 - 15 Menit	Rp 306.872.000,00	39121011-PKM-000500000
04	GPI 33 - 40	3/3	40 KVA	40 KW	1	10 - 15 Menit	Rp 409.265.000,00	39121011-PKM-000499999
05	GPI 33 - 50	3/3	50 KVA	50 KW	1	10 - 15 Menit	Rp 482.002.500,00	39121011-PKM-000499998
06	GPI 33 - 60	3/3	60 KVA	60 KW	1	10 - 15 Menit	Rp 510.301.000,00	39121011-PKM-000499997
07	GPI 33 - 80	3/3	80 KVA	80 KW	1	10 - 15 Menit	Rp 682.815.000,00	39121011-PKM-000499995
08	GPI 33 - 100	3/3	100 KVA	100 KW	1	10 - 15 Menit	Rp 817.241.000,00	39121011-PKM-000499994
09	GPI 33 - 120	3/3	120 KVA	120 KW	1	10 - 15 Menit	Rp 933.662.500,00	39121011-PKM-000499991
10	GPI 33 - 160	3/3	160 KVA	160 KW	1	10 - 15 Menit	Rp 1.195.792.500,00	39121011-PKM-000499990
11	GPI 33 - 200	3/3	200 KVA	200 KW	1	10 - 15 Menit	Rp 1.551.357.500,00	39121011-PKM-000499989
12	GPI 33 - 300T	3/3	300 KVA	300 KW	1	10 - 15 Menit	Rp 2.777.819.000,00	39121011-PKM-000500007
13	GPI 33 - 400T	3/3	400 KVA	400 KW	1	10 - 15 Menit	Rp 2.837.870.500,00	39121011-PKM-000500006
14	GPI 33 - 500T	3/3	500 KVA	500 KW	1	10 - 15 Menit	Rp 4.133.257.000,00	39121011-PKM-000500004
15	GPI 33 - 600T	3/3	600 KVA	600 KW	1	10 - 15 Menit	Rp 4.690.984.000,00	39121011-PKM-000500003
16	GPH 33 - 10	3/3	10 KVA	10 KW	1	15 - 30 Menit	Rp 217.165.500,00	39121011-PKM-000499108
17	GPH 33 - 20	3/3	20 KVA	20 KW	1	15 - 30 Menit	Rp 301.474.500,00	39121011-PKM-000499102
18	GPH 33 - 30	3/3	30 KVA	30 KW	1	15 - 30 Menit	Rp 375.279.500,00	39121011-PKM-000499104
19	GPH 33 - 40	3/3	40 KVA	40 KW	1	15 - 30 Menit	Rp 513.237.500,00	39121011-PKM-000499100
20	GPH 33 - 50	3/3	50 KVA	50 KW	1	15 - 30 Menit	Rp 552.337.500,00	39121011-PKM-000498382
21	GPH 33 - 60	3/3	60 KVA	60 KW	1	15 - 30 Menit	Rp 598.106.000,00	39121011-PKM-000499103
22	GPH 33 - 80	3/3	80 KVA	80 KW	1	15 - 30 Menit	Rp 960.728.000,00	39121011-PKM-000499107
23	GPH 33 - 100	3/3	100 KVA	100 KW	1	15 - 30 Menit	Rp 988.070.000,00	39121011-PKM-000499105
24	GPH 33 - 120	3/3	120 KVA	120 KW	1	15 - 30 Menit	Rp 1.077.239.000,00	39121011-PKM-000499106
25	GPH 33 - 160	3/3	160 KVA	160 KW	1	15 - 30 Menit	Rp 1.370.037.000,00	39121011-PKM-000499109
26	GPH 33 - 200	3/3	200 KVA	200 KW	1	15 - 30 Menit	Rp 1.877.165.500,00	39121011-PKM-000499101
27	GPH 33 - 250	3/3	250 KVA	250 KW	1	15 - 30 Menit	Rp 2.452.352.000,00	39121011-PKM-000499098
28	GPH 33 - 300T	3/3	300 KVA	300 KW	1	15 - 30 Menit	Rp 3.319.791.500,00	39121011-PKM-000499092
29	GPH 33 - 400T	3/3	400 KVA	400 KW	1	15 - 30 Menit	Rp 3.905.559.000,00	39121011-PKM-000499095
30	GPH 33 - 500T	3/3	500 KVA	500 KW	1	15 - 30 Menit	Rp 5.289.599.000,00	39121011-PKM-000499097
31	GPH 33 - 600T	3/3	600 KVA	600 KW	1	15 - 30 Menit	Rp 5.923.385.500,00	39121011-PKM-000499096

Panasonic
Lighting and Fixture

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Authorized Distributor

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