

# SINPRO



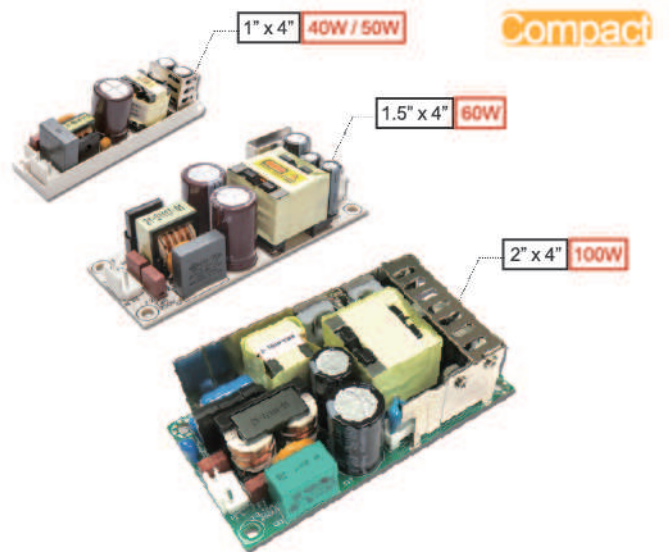
Medical Power Supply

# OUR PRODUCT

H series / Home Healthcare

## H series

- Wattage: 6 ~ 180W
- Input Voltage: 80~275VAC / 90~260 VAC
- Medical 3.1 Certificated
- EMC 4.0 Certificated
- 2MOPP
- Low leakage current: < 0.25mA
- Wall-mount, Desktop, Open-frame
- Warranty: 3 Years



## Home Healthcare

- Wattage: 6 ~ 25W
- Input Voltage: 80~275VAC / 90~260 VAC
- Wall-mount , Interchangeable Type
- Medical 3.1 Certificated, IEC60601-1-11
- EMC 4.0 Certificated
- 2MOPP
- Low leakage current: < 0.25mA
- Warranty: 3 Years



## M series

- Wattage: 10 ~ 250W
- Input Voltage: 80~275 VAC / 90~260 VAC
- Medical 3.1, EMC 4.0 Certificated
- Single to Quad Output
- 2MOPP
- Low leakage current: < 0.1mA
- Warranty: 5 Years



## Home healthcare

- Blood Pressure Monitor
- Pulse Oximetry
- Portable Device
- Nebulizer
- mHealth



## Medical Devices

- ECG
- Syringe Pump
- Blood chemistry analyzer
- Oral Care Equipment
- Dental Therapy Equipment
- X-ray

## Imaging

- Ultrasound scanners
- Electron Microscopes
- PET
- Patient Monitoring
- Digital Radiography



## Environmental Policy

### Green Product

- Energy Conservation
- Repairable(Non-disposable)

### Green Manufacturing

- Non-toxic manufacturing process

### Green Marketing

- To comply with WEEE Directive



# H SERIES

NEW

Open Frame	HBU40	HBU50	HBU63	HBU58	HBU75	HBU100	(UNIT)
Dimension	1"x4"x1.28"	1"x4"x1.28"	2"x3"x1.05"	1.5"x4"x1.04"	1.5"x4"x1.04"	2"x4"x1.02"	inch
Max Power (convention cooling)	40	50	60	60	75	100	Watt
Output Voltage	5~59	5~59	5~48	5~55	5~50	11~55	VDC
Output current	5.6~0.68	7.0~0.84	7.0~1.25	6.6~1.09	8.0~1.5	9.09~1.81	A
Input voltage	80~275	80~275	90~264	80~275	80~275	90~260	VAC
CLASS	II		I				
Typ. Efficiency	88	88	88	90	89	89	%
over voltage protection	na	na	na	110~275	110~275	112~132	%
over load protection	110~150						%
leakage current	0.25						mA
Hold-up time	12	12	12	12	16	16	ms
start-up time	2	2	1.5	0.25~0.5	1~2	0.25~0.5	s
operating temp.	-10~70 (Derate linearly from 100% load at 40 °C to 50% load at 70 °C)						°C
operating altitude	3000						m
ESDa	15						kV
ESDc	8						kV
EMC Emmision	Compliance with EN55011 class B (CISPR11), EN60601-1-2:2014						
Surge Voltage (Line-Neutral)	1						kV
Surge Voltage (Line-PE&Netural-PE)	2						kV
Ripple & Noise	1%						max

IEC60601-1 Edition 3.1, ES60601-1:2005(R2012), CSA22.2 NO. 60601-1:14, EN60601-1:2006/A1:2013

## HOME HEALTHCARE

Open Frame	HPU10X (X=A,B,C,D)	HPU15	HPU25	(UNIT)
Dimension (without AC plug)	A: 1.73"x2.2"x1.08" B/C/D: 1.73"x2.32"x1.12"	1.71"x2.36"x1.58"	1.71"x2.95"x1.58"	inch
Max Power (convention cooling)	10	15	25	Watt
Output Voltage	3~55			VDC
Output current	2~0.19	2.4~0.28	3.5~0.45	A
Input voltage	80~275			VAC
CLASS	II			
AC PLUG Type	A: US plug B: UK plug C: EU plug D: US plug	interchangable STD: UL/UK/EU/AU Optional: SA/CCC/PSE/India/Brazil/KC	interchangable	
Typ. Efficiency	82	84	86	%
over load protection	110~150			%
leakage current	0.25			mA
Hold-up time	12	10	12	ms
start-up time	2	0.3~3	3	s
operating temp.	-10~70 (Derate linearly from 100% load at 40 °C to 50% load at 70 °C)			°C
operating altitude	3000			m
ESDa	15			kV
ESDc	8			kV
EMC Emmision	Compliance with EN55011 class B (CISPR11), EN60601-1-2:2014			
Surge Voltage (Line-Neutral)	1			kV
Surge Voltage (Line-PE&Netural-PE)	2			kV
Ripple & Noise	1%			max

IEC60601-1 Edition 3.1, IEC60601-1-11, ES60601-1:2005(R2012), CSA22.2 NO. 60601-1:14, EN60601-1:2006/A1:2013

# SELECTION GUIDE

Series	Model	Product Type				Class		AC plug	Output		Output voltage (VDC)	Operating -10~70℃	Warranty	Max Power	Dimension(inch)			
		Wall mount	Desktop	Open frame	U-frame	I	II		Single	Multi					W	L	H	
H series	External	HPU10A	●					●	US plug	●	3-55	✳	3	10	1.73	2.20	1.08	
		HPU10B	●					●	UK plug	●	3-55	✳	3	10	1.73	2.32	1.37	
		HPU10C	●					●	EU plug	●	3-55	✳	3	10	1.73	2.32	1.08	
		HPU10D	●					●	US plug	●	3-55	✳	3	10	1.73	2.32	1.12	
		HPU15	●					●	interchangeable	●	3-55	✳	3	15	1.71	2.36	1.58	
		HPU25	●					●	interchangeable	●	3-55	✳	3	25	1.71	2.95	1.58	
		HPU32A		●				●	C18 inlet	●	5-48	✳	3	30	1.85	4.21	1.17	
		HPU32B		●				●	C8 inlet	●	5-48	✳	3	30	1.85	4.21	1.17	
		HPU63A		●				●	C14 inlet	●	12,15,18,24,30,36,48	✳	3	63	2.18	5.17	1.46	
		HPU63B		●				●	C8 inlet	●	12,15,18,24,30,36,48	✳	3	63	2.18	5.17	1.48	
		HPU63C		●				●	C6 inlet	●	12,15,18,24,30,36,48	✳	3	63	2.18	5.17	1.48	
		HPU101		●				●	C14 inlet	●	11-48	✳	3	100	2.99	5.75	1.69	
		HPU180A		●				●	C14 inlet	●	12,19,24,30,33,48	✳	3	180	3.52	7.40	1.94	
		New	HPU180B		●			●	C8 inlet	●	12,19,24,30,33,48	✳	3	180	3.52	7.40	1.94	
		H series	Internal	HBU32			●		●	2 PINS	●	5-40	✳	3	30	1.50	4.00	0.84
				New	HBU40			●		●	2 PINS	●	5-59	✳	3	40	1.00	4.00
New	HBU50					●		●	2 PINS	●	5-59	✳	3	50	1.00	4.00	1.28	
New	HBU58					●		●	2 PINS	●	5-55	✳	3	60	1.50	4.00	1.04	
HBU60					●		●	2 PINS	●	12-40	✳	3	60	2.00	4.00	1.00		
New	HBU63					●		●	2 PINS	●	5-48	✳	3	60	2.00	3.00	1.05	
New	HBU75					●		●	2 PINS	●	5-50	✳	3	75	1.50	4.00	1.04	
New	HBU100					●		●	2 PINS	●	11-55	✳	3	100	2.00	4.00	1.02	
M series	External	MPU12A	●				●	US plug	●	5-27	✳	5	12	2.17	2.56	1.22		
		MPU12B	●				●	UK plug	●	5-27	✳	5	12	2.17	2.52	1.22		
		MPU12C	●				●	EU plug	●	5-27	✳	5	12	2.17	2.52	1.22		
		MPU16A		●			●	C14 inlet	●	5-36	✳	5	15	1.65	4.11	1.22		
		MPU16B		●			●	C8 inlet	●	5-36	✳	5	15	1.65	3.90	1.22		
		MPU16C		●			●	C6 inlet	●	5-36	✳	5	15	1.65	3.90	1.22		
		MPU31		●			●	C14 inlet	● ●	3-40, dual, triple	✳	5	30	2.56	4.65	1.52		
		MPU32A		●			●	C18 inlet	●	5-48	✳	5	30	1.85	4.21	1.17		
		MPU32B		●			●	C8 inlet	●	5-48	✳	5	30	1.85	4.21	1.17		
		MPU51		●			●	C14 inlet	● ●	3-50, dual, triple	✳	5	50	2.99	5.75	1.69		
	MPU60A		●			●	C14 inlet	●	12,15,18,24,30,36,48	✳	5	63	2.18	5.17	1.46			
	MPU60B		●			●	C8 inlet	●	12,15,18,24,30,36,48	✳	5	63	2.18	5.17	1.46			
	MPU60C		●			●	C6 inlet	●	12,15,18,24,30,36,48	✳	5	63	2.18	5.17	1.46			
	MPU64		●			●	C14 inlet	●	5,7,9,12,15,18,24,30,36	✳	5	63	2.99	5.75	1.69			
	MPU101		●			●	C14 inlet	● ●	5-40, dual, triple	✳	5	100	3.52	7.44	1.79			
	MPU130		●			●	C14 inlet	●	12,24	✳	5	130	3.52	7.40	1.94			
	New	MPU150		●		●	C14 inlet	●	12,24,48	✳	5	150	3.52	7.40	1.94			
	M series	Internal	MBU31			●		●	2 PINS	●	5,7,9,12,15,18,24,30,36	✳	5	30	2.00	4.00	1.16	
MBU81					●		●	2 PINS	●	5,7,9,12,15,18,24,30,36	✳	5	80	3.00	5.00	1.11		
*MBU123					●		●	2 PINS	● ●	12,19,24,36,48	✳	5	125	3.50	6.00	1.46		
MBU152					●		●	2 PINS	●	12,24	✳	5	150	3.00	5.00	1.44		
MBU153					●		●	3 PINS	●	12,24	✳	5	150	3.00	5.00	1.44		
MUU152						●	●	2 PINS	●	12,24	✳	5	150	3.21	5.00	1.66		
MUU153						●	●	3 PINS	●	12,24	✳	5	150	3.21	5.00	1.66		
MUU250						●	●	2 PINS	●	12,24,36,48	✳	5	250	4.18	6.00	1.54		

Certificate: IEC60601-1 Edition 3.1, IEC60601-1-11, ES60601-1:2005(R2012), CSA22.2 NO. 60601-1:14, EN60601-1:2006/A1:2013

\* MBU123 is Single output + 5V Standby Output (dual output)

Please enter [www.sinpro.com](http://www.sinpro.com) for more product information



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