



GPSA-1000 Series

Unit type single output power supply

Continuous: **1000W** Peak: **2000W**

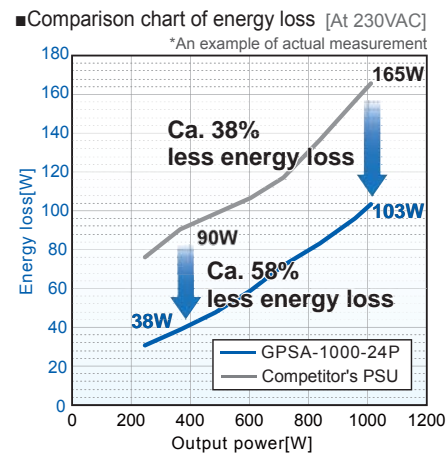
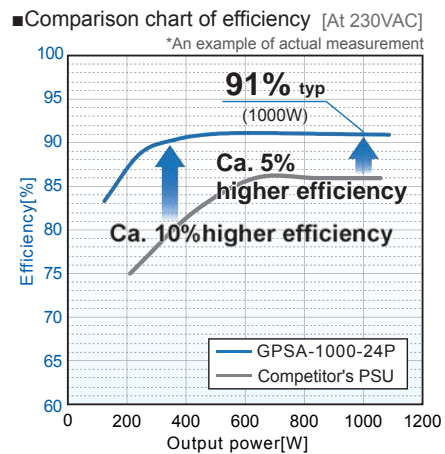
Output voltage: **24/48V**

	24V type	48V type	Common spec.
Output voltage	+24V	+48V	+12VSB
Continuous current/power at 115VAC	42A 1008W	21A 1008W	0.5A 6W
Peak current/power (5s max.) 115VAC	55A 1320W	27.5A 1320W	0.5A 6W
Peak current/power (5s max.) 200VAC	84A 2016W	42A 2016W	0.5A 6W

1000W Model Is Joined to GPSA Series

High Efficiency & Long Life

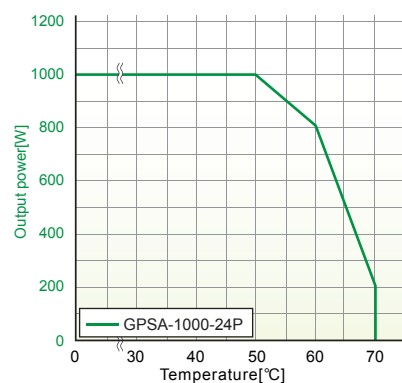
High efficiency decreases heat buildup. Stable operation is available even at high temperature circumstance. GPSA-1000 has approx. 5% higher efficiency and approx. 38% less energy loss compared with competitors' equivalent products.



Compact & Large Capacity

100% output at 50°C. Moreover, operational at 70°C.

■ Ambient temperature derating



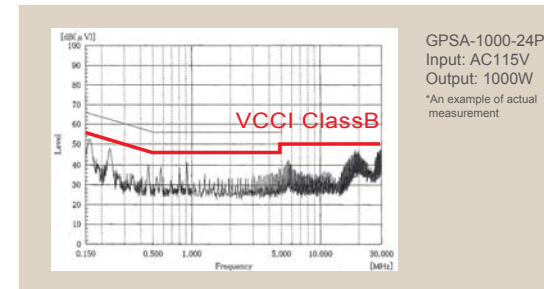
Compactness and high peak power are achieved compared with competitors' 1000W PSU.

■ Comparison with competitors' 1000W PSU. [At 200VAC & 24V output]

GPSA-1000 Series	Competitor's equivalent A	Competitor's equivalent B
Continuous output: 1008W Peak output: 2016W	Continuous output: 1056W Peak output: 1200W	Continuous output: 1008W Peak output: - W

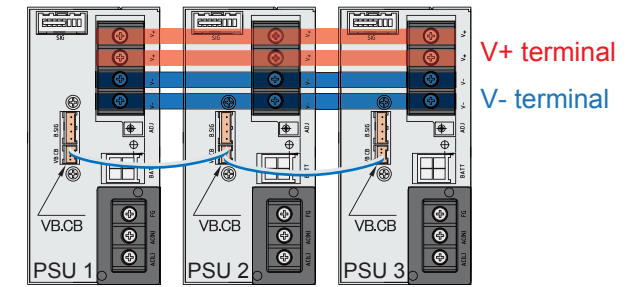
Low Leakage Current & Low Noise

Leakage current is decreased to 0.57 mA at 240VAC. Moreover, conducted emission VCCI Class B is achieved. No external noise filter saves cost and man-hours.



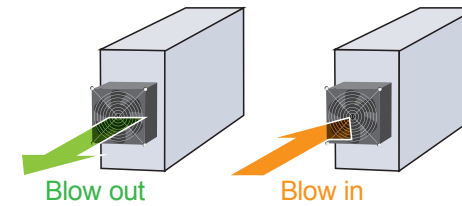
Parallel Operation Is Available

In case of power shortage, output power can be increased with parallel connection. Output voltage and current of each unit can be balanced to deliver stable power by connecting output balancing signal (VB) and output current balancing signal (CB).



Selectable Air Blow Direction

A blow in fan and a blow out fan are available. Air blow direction is selectable for each application.



Specification GPSA Series

Model name	Input voltage	Output current/power										*1 Efficiency	*2 Leakage current	Size (W x H x D)		
		12V output		24V output		36V output		48V output		96V output					12VSB	
		Cont.	Peak	Cont.	Peak	Cont.	Peak	Cont.	Peak	Cont.	Peak	Common spec.				
GPSA-360	AC100-240V	At 100VAC input	30A 360W	40A 480W	15A 360W	20.8A 499.2W	-	-	-	-	-	-	0.3A 3.6W	85.1%	0.18mA	41×128×230
		At 200VAC input	30A 360W	40A 480W	15A 360W	25A 600W	-	-	-	-	-	-	-	-	-	-
GPSA-600	AC100-240V	At 100VAC input	50A 600W	80A 960W	25A 600W	50A 1200W	16.7A 601.2W	33.3A 1198.8W	12.5A 600W	25A 1200W	-	-	0.5A 6W	88.8%	0.57mA	61×128×240
		At 200VAC input	50A 600W	100A 1200W	25A 600W	60A 1440W	16.7A 600.1W	40A 1440W	12.5A 600W	30A 1440W	-	-	-	-	-	-
NEW GPSA-1000	AC115(100)-240V	At 115VAC input	-	-	42A 1008W	55A 1320W	-	-	21A 1008W	27.5A 1320W	-	-	0.5A 6W	91.3%	0.57mA	61×128×240
		At 200VAC input	-	-	42A 1008W	84A 2016W	-	-	21A 1008W	42A 2016W	-	-	-	-	-	-
GPSA-1500	AC100-240V	At 100VAC input	-	-	44A 1056W	55A 1320W	-	-	23A 1104W	27.5A 1320W	-	-	0.5A 6W	92.6%	0.46mA	82×128×250
		At 200VAC input	-	-	63A 1512W	85A 2040W	-	-	34A 1632W	44A 2112W	-	-	-	-	-	-
NEW GPSA-5000	Three-phase AC170-240V	-	-	-	-	-	-	100A 4800W max.	125A 6000W max.	52A 4992W	62.5A 6000W max.	0.5A 6W	93.0%	-	198×125×315	

*1 At 240VAC input, an example of actual measurement *2 At 240VAC input and 100% load factor, an example of actual measurement