

# GPE ITALY

General Power Equipment

## HYDRUS S Series

### 10-30kVA



3:3 Phase  
Power Factor:0.9

#### Features

- Online-Double conversion
- Output transfer time is 0ms
- PFC technology
- Full digital control (DSP)
- Output power factor: 0.9
- Input current harmonic: 3%
- ECO function
- Charging/Rectifier/Inverter fully digital control technology
- Optimization battery group, the quantity of battery: 16/18/20 pieces (optional)
- Wide input voltage range: 208-478Vac
- Wide input frequency range: 45-66Hz
- DC start
- Communication port: USB/RS485/ Parallel port/ dry contact
- Options: SNMP card/Relay card
- LCD/LED double display
- Intelligent charging management
- EPO function
- Common battery group
- The output can be meet 100% unbalanced load



Control Panel

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## General Power Equipment

### Technical Specifications:

MODEL				
Capacity (VA/Watts)	10k / 9k	15k / 13.5k	20k / 18k	30k / 27k
<b>INPUT</b>				
Nominal voltage	380/400/415Vac, (3Ph+N+PE)			
Operating voltage range	208~478Vac			
Operating frequency range	50Hz:45~55Hz;60Hz:54~66Hz(auto sensing)			
Power factor	≥0.99			
Bypass voltage range	Max.voltage: 220V: +25%(optional +10%,+15%,+20% ) 230V: +20% (optional +10%,+15%) 240V: +15% (optional +10%) Min.voltage: -45% (optional -20%,-30%)			
Bypass frequency range	Frequency protection range: ± 10%			
ECO range	Same as bypass			
Harmonic distortion (THDI)	≤3%(100% non-linear load)			
<b>OUTPUT</b>				
Output voltage	380/400/415Vac			
Power factor	0.9			
Voltage regulation	± 1%			
Frequency	Line Mode	± 1%/ ± 2%/ ± 4%/ ± 5%/ ± 10% of the rated frequency(optional)		
	Bat. Mode	50/60(± 0.1)Hz		
Crest factor	3:1			
Harmonic distortion (THD)	≤2% with linear load ≤5% with non-linear load			
Efficiency	≥93.5%	≥94.5%		
<b>BATTERY</b>				
Battery voltage	Standard unit: ± 120Vdc(20 pcs) Long run unit: ± 96Vdc/ ± 108Vdc/ ± 120Vdc(16/18/20 pcs optional)	Standard unit: ± 120Vdc(20 pcs × 2group) Long run unit: ± 96Vdc/ ± 108Vdc/ ± 120Vdc(16/18/20 pcs optional);	Standard unit: ± 120Vdc(20pcs × 3group) Long run unit Optional Voltage: ± 96Vdc/ ± 108Vdc/ ± 120Vdc (16/18/20 pcs optional)	
Backup time	Long run unit depends on the capacity of external batteries.			
Charge current	1.35/2.7/4.05A(10/15/20/30kVA);Long run unit Max.10A			
<b>SYSTEM FEATURES</b>				
Transfer time	Mains to Battery:0ms; Mains to Bypass:0ms			
Overload	Load ≤ 110%:60min; ≤ 125%:last 10min; ≤ 150%:last 1min;>150% turn to bypass mode			
Short circuit	Hold Whole System			
Communication interface	USB,Parallel port, Dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)			
<b>ENVIRONMENTAL</b>				
Operating temperature	0°C ~ 40°C			
Storage temperature	-25°C ~ 55°C			
Humidity range	0 ~ 95% (non-condensing)			
Altitude	< 1500m			
Noise level	<55dB	<58dB		
<b>PHYSICAL</b>				
Dimension D × W × H (mm)	828 × 250 × 868		828 × 330 × 920	
Net weight (kg)	95 / 42	147 / 45		225 / 67
<b>STANDARDS</b>				
Safety	IEC/EN62040-1,IEC/EN60950-1			
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4, IEC61000-4-5,IEC61000-4-6,IEC61000-4-8			

Specifications are subject to change without prior notice.