

HYDRUS S 10~80KVA

10~80kVA

3:3 phase PF: 0.9



Control Panel

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: 10~30K (16/18/20 pcs optional) 40~80K (32/34/36/38/40 pcs optional)
- Wide input voltage range: 208~478Vac
- Wide input frequency range: 40~70Hz
- DC start
- Communication port: USB/RS232 / 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 meet 100% unbalanced load

Technical Specifications:

MODEL		HYDRUS S						
Capacity (VA/Watts)	10k / 9k	15k / 13.5k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k / 72k	
INPUT								
Nominal voltage	380/400/415Vac, (3Ph+N+PE)							
Operating voltage range	208~478Vac							
Operating frequency range	45 ~ 55Hz at 50Hz / 54 ~ 66Hz at 60Hz (auto sensing)					40 ~ 70Hz		
Power factor	≥0.99							
Bypass voltage range	380Vac Max.voltage: +25%(optional +10%,+15%,+20%) 400Vac Max.voltage: +20%(optional +10%,+15%) Min. voltage: -45% (optional -20%,-30%)							
Bypass frequency range	Frequency synchronize tracing range: ± 10%							
ECO range	Same as bypass							
Harmonic distortion (THDi)	≤3% (100%non-linear load)							
OUTPUT								
Output voltage	380/400/415Vac (3Ph+N+PE)							
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	93.50%	94.5%						
BATTERY								
Battery voltage	Standard unit: ± 120Vdc (20pcs 12V9AH); Long run unit : ± 96V/ ± 108V / ± 120Vdc (16/18/ 20pcs optional)	Standard unit: ± 120Vdc (2x20pcs 12V9AH); Long run unit Optional Voltage: ± 96V/ ± 108V/ ± 120Vd (16/18/20pcs optional)	Standard unit: ± 120Vdc(3x20pcs 12V9AH); Long run unit Optiona Voltage: ± 96V/ ± 108V / ± 120Vdc (16/18 20pcs optional)	Optional Voltage: ± 192V/ ± 204V/ ± 216V/ ± 228V/ ± 240Vdc(32/34/36/38/40pcs optional)				
Charge Current(A) (charge current can be set according to battery capacity installed)	Standard unit: 1.35A Long run unit: Max.current 10A	Standard unit: 2.7A Long run unit: Max.current 10A	Standard unit: 4.05A Long run unit: Max.current 15 A	Max.current 15A	Max.current 30A	Max.current 30A		
SYSTEM FEATURES								
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms							
Overload	Load ≤ 110%: last 60min, ≤ 125%: last 10min, ≤ 150%: last 1min, ≥ 150% change to bypass.							
Short circuit	Hold Whole Syetem							
Communication	USB,RS232, RS485, Parallel port, REPO port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional).LBS port (only 60~80k)							
ENVIRONMENTAL								
Operating temperature	0 ~ 40°C							
Storage temperature	-25 ~ 55°C(No battery)							
Humidity range	0 ~ 95% (Non condensing)							
Altitude	< 1500m.When>1500m,lower the rated power for use							
Noise level	<55dB	<58dB				<63dB		
PHYSICAL								
Dimension D × W × H (mm)	828x250x868					828x360x868		
Net weight (kg)	115/57	170/63	171/64	223/71	73	118	122	
STANDARDS								
Safety	IEC/EN62040-1,IEC/EN60950-1							
EMC	I EC/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.