



Power Plus Series

10kVA - 40kVA

True On-Line Double Conversion



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: 16/18/20 pieces (optional)
- Wide input voltage range: 208~520Vac
- Wide input frequency range: 45~65Hz
- 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

Technical Specifications:

MODEL		Power Plus-10T	Power Plus-20T	Power Plus-30T	Power Plus-40T
Capacity (VA/Watts)		10k / 9k	20k / 18k	30k / 27k	40k / 36k
INPUT					
Nominal voltage		380/400/415Vac, (3Ph+N+PE)			
Operating voltage range		208~520Vac			
Operating frequency range		50Hz:45~55Hz;60Hz:55~65Hz(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)			
OUTPUT					
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	50/60Hz(± 0.1%)			
Crest factor		3:1			
Harmonic distortion (THD)		≤2% with linear load ≤5% with non-linear load			
Efficiency		≥93.5%	≥94.5%		
BATTERY					
Battery voltage		Standard unit: ± 120Vdc(20 pcs) Long run unit: ± 96Vdc/ ± 108Vdc/ ± 120Vdc(16/18/20 pcs optional)	Standard unit: ± 120Vdc(20pcs × 2group) Long run unit Optional Voltage: ± 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)	Optional Voltage: ± 192Vdc ~ ± 240Vdc (32 ~ 40 pcs optional)
Backup time		Long run unit depends on the capacity of external batteries.			
Charge current		1.35/2.7/4.05A(10/20/30kVA);Long run unit Max.15A			
SYSTEM FEATURES					
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)			
ENVIRONMENTAL					
Operating temperature		0℃ ~ 40℃			
Storage temperature		-25℃ ~ 55℃			
Humidity range		0 ~ 95% (non-condensing)			
Altitude		< 1500m			
Noise level		<55dB	<58dB		
PHYSICAL					
Dimension D × W × H (mm)		828 × 250 × 868			828 × 330 × 920
Net weight (kg)		115 / 57	171 / 64	225 / 71	73
STANDARDS					
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			



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