

The Giganet 15kVA to 20kVA double-conversion Intelligent Online UPS comes in a rack / tower convertible design and offers the maximum power protection, to ensure clean power is supplied to Network equipment and servers and seamlessly switches to battery backup when inconsistent power is detected.



1:1 Phase

1.0 PF

FEATURES

LCD support Rack/Tower convertible design
N+X parallel redundancy,support maximum 4 units in parallel
Online double conversion with DSP control
Input current harmonic:<3%
Wide input voltage range:208~478Vac
Wide input frequency range 40~70Hz
Optimization battery group,the quantity of battery:30~50pcs is settable
Maximum charging current up to 20A (Settable)
Dual input source
Support 3/3 and 3/1 and 1/1 operation
Generator compatible
ECO mode operation for energy saving
Cold start
50/60Hz Frequency converter mode
The output can meet 100% unbalanced load
Multiple protection function:short-circuit,overload,overheat, battery overcharge and overdischarge,output low voltage and fan fault alarm
RS232, RS485, Parallel, Intelligent Slot (SNMP card/ Relay card (Optional)),BMS (Optional),EPO port,Output port,
Multiple protection function: short-circuit,overload,overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
PDU with maintenance bypass switch (Optional)
IEC 62133 (Cell)/IEC 62619 (Pack)/UN 38.3 (Transportation) certificate

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
GN-UPS-15KVAS-RT	GIGANET™ Smart Double online Conversion UPS 15kVA Rack/ Tower Single Phase, PF 1.0, External VRLA batteries , SNMP Card , with Mounting Rails / Multifunctional Brackets.
GN-UPS-20KVAS-RT	GIGANET™ Smart Double online Conversion UPS 20kVA Rack/ Tower Single Phase, PF 1.0, External VRLA batteries , SNMP Card , with Mounting Rails / Multifunctional Brackets.

Model	GN-UPS-15KVAS-RT	GN-UPS-20KVAS-RT
Capacity VA/Watts	15000VA/15000WA	20000VA/20000WA
INPUT		
Nominal voltage	220/230/240Vac,(L+N+PE)	
Operating voltage range	208~478Vac	
Operating frequency range	40~70Hz	
Power factor	≥0.99	
Harmonic distortion (THDi)	3% (100% non-linear load)	
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%	
Generator input	Support	
OUTPUT		
Output Voltage	220/230/240Vac,(L+N+PE)	
Voltage regulation	1.0	
Power factor	± 1%	
Output frequency	Line mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)
	Bat. mode	(50/60±0.2%)Hz
Crest factor	3:1	
Harmonic Distortion (THDv)	≤2% Linear load ≤5% Non linear load	
Effeciency	UP to 94.5%	UP to 95.0%
BATTERY		
Battery Voltage	±180/192/204/216/228/240/252/264/276/288/300Vdc (30/32/34/36/38/40/42/44/46/48/50pcs optional)	
(charge current can be set according to battery capacity installed)	Max. current 18A	Max. current 20A
SYSTEM FEATURES		
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% turn to bypass mode immediately
	Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 5S, ≥150% shut down UPS immediately
	Bypass Mode	Breaker(Load < 125%, long-term operation)
Short circuit	Hold whole system	
Communication interface	RS232, RS485, Parallel, Intelligent Slot(SNMP card/ Relay card(optional)),	
BMS (optional),EPO port, Output port, MAINTAIN-AUXSWS		
Dimension W × D × H	443x131(3U)x580 mm	
Net weight	31kg	32kg
ENVIRONMENT		
Operating temperature	0°C ~ 40°C	
Storage temperature	-25°C ~ 55°C	
Humidity range	0 ~ 95%RH (Non condensing)	
Altitude	<1500m	
Noise level	< 55dB	< 58dB
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	