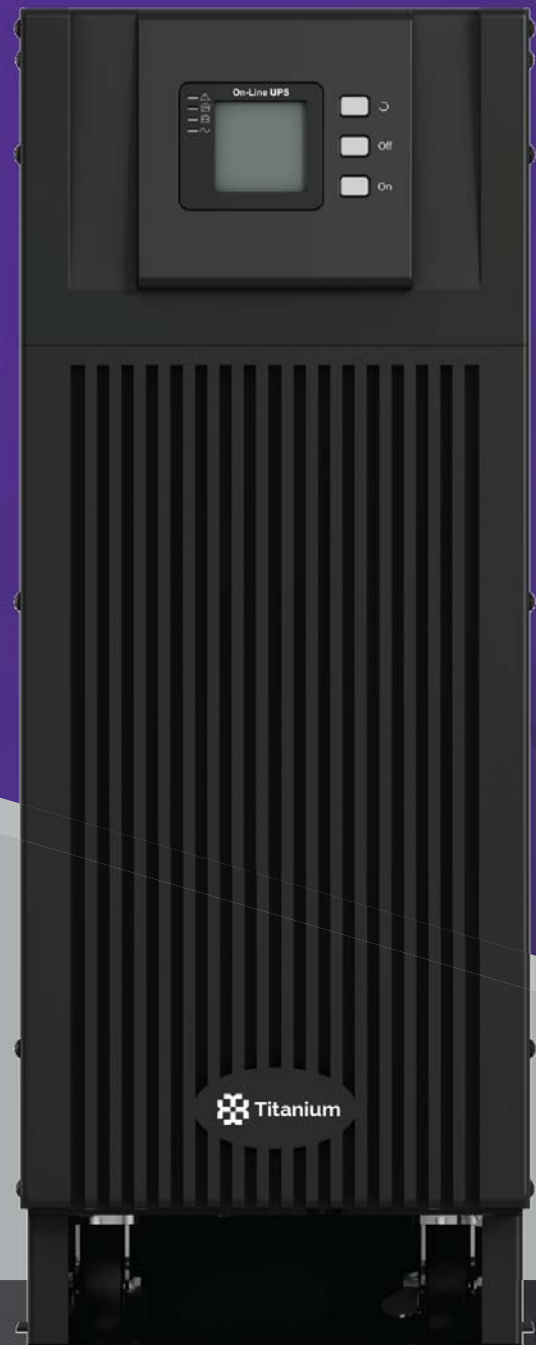


Titanium PETA POWER PLUS

20kva online 3-1

Features

- N+X parallel redundancy,support maximum 4 units in parallel
- Online double conversion with DSP control
- Optimization battery group,the quantity of battery: 16/18/20pcs (32-40pcs supportable)
- Wide input voltage range: 208-478Vac
- Wide input frequency range: 40Hz~70Hz
- Input current harmonic: 3%
- Maximum charging current up to 18A (Settable)
- Support 3/1 and 1/1 operation
- Generator compatible
- ECO mode operation for energy saving
- Design with maintenance switch
- Cold start
- Intelligent fan speed regulation
- Self-testing when UPS startup
- 50/60Hz frequency converter mode
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- Multiple communication interface: RS232/RS485/USB/EPO /Dry contact port (Relay card/SNMP card/Parallel cable/Battery temperature sensor optional)



segment lcd

SNMP



Relay Card



SNMP



Titanium PETA POWER PLUS 20kva online 3-1

Technical specification



MODEL	Titanium PETA POWER PLUS 20 KVA ONLINE 3/1
Capacity	20 KVA / 20000 W
INPUT	
Nominal voltage	380/400/415Vac (3PH+N+PE) 220/230/240Vac (L+N+PE)
Operating voltage range	208 478Vac; 120 276Vac
Frequency range	40-70Hz (50/60Hz Auto-Sensing)
Power factor	≥0.99
Bypass voltage range	"Max.voltage:220V:+25% (Optional+10%,15%,20%) 230V:+20% 240V:+15% Min.voltage:-45%"
OUTPUT	
Output voltage	220/230/240Vac (L+N+PE)
Power factor	1
Voltage regulation	±1%
"Output frequency"	"±1%/±2%/±4%/±5%/±10% of the rated frequency Bat. Mode : (50/60±0.1%)Hz"
Crest factor	3:1
Harmonic distortion (THDv)	"≤2% Linear load ≤5% Non linear load"
Transfer time	0ms
Output waveform	Pure Sinewave
Overload	"AC Mode : Load≤110%: last 60min turn to bypass; ≤125%: last 10min turn to bypass;≤150%: last 1min turn to bypass; ≥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 2X63A"
EFFICENCY	
EFFICENCY	94.5%
BATTERIES	
Battery number	±96Vdc-±120Vdc (16 20pcs, 16pcs default, Standard unit and 20pcs no power derating; 18pcs output power factor 0.9; 16pcs output power factor 0.8)
Charging current (Max)	18A (Max.)
Recharge time	Charging current can be set according to battery capacity
INDICATORS	
LCD display	Input voltage,Input frequency,Output voltage,Output frequency,Load percentage, Battery voltage,Inner temperature& Remaining battery backup time
ALARM	
Battery mode	Beeping every 4 seconds
Low Battery	Beeping every second
Overload	Beeping twice every second
Fault	Continuously beeping
ENVIRONMENT	
Operating temperature	0 ~40
Storage temperature	-25 ~55
Humidity range	20-95%RH @ 0-40 (Non condensing)
Altitude	<1500m,derating required when>1500m
Noise level	<58dB at 1 Meter
STANDARDS	
Safety	IEC/EN62040-1,IEC/EN62477-1
EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8
PHYSICAL	
Dimension W x D×H (mm)	250×580×655
Net weight (kg)	38

"Specifications are subject to change without prior notice."