



**ISO9001**  
CERTIFIED  
**VFI-SS-111**  
TRUE ON LINE DOUBLE CONVERSION

The Powertel smallest footprint transformer-less parallel redundancy online UPS series, featured with smallest footprint cabinet, built-in batteries, DSP Control, Common Battery, Programmable battery voltage, 3-level intelligent charge mode with powerful battery charger, is an ideal budget-concerned solution to your server, bank, industrial equipment, internet data center, telecom, IT equipment and other mission-critical application.

### Features

- ✓ Smallest Footprint Design
- ✓ DSP-controlled Technology
- ✓ Parallel Redundancy up to 4 units
- ✓ Wide Input Voltage and Frequency Windows
- ✓ Unity Power Factor and Low Input Distortion
- ✓ Output Power Factor at 0.9
- ✓ ECO Mode for Energy Saving
- ✓ Common Battery
- ✓ Programmable Battery Voltage from +/-96Vdc to +/-240Vdc
- ✓ Built-in Batteries makes UPS ready to Use
- ✓ Matching Battery Packs
- ✓ 3-level Intelligent Charge Modes with Smart Charge Current Adjustment
- ✓ Powerful Charger up to 10A
- ✓ Versatile Communication Interfaces Provided for different applications
- ✓ Superior Overload Capability
- ✓ Programmable Control and Monitoring Software via RS232 port
- ✓ Emergency Power Off
- ✓ DC Start

**Powerel Smallest Footprint**  
**Parallel UPS PSOGT Series**

PSOGT10K / PSOGT15K / PSOGT30K / PSOGT40K

**PSOGT series Technical Specifications:**

MODEL	PSOGT10K	PSOGT15K	PSOGT20K	PSOGT30K	PSOGT40K
Capacity (VA/Watts)	10K / 9K	15K / 13.5K	20K / 18K	30K / 27K	40K / 36K
<b>INPUT</b>					
Nominal voltage	380/400/415Vac, (3Ph+N+PE)				
Operating voltage range	208~478Vac				323~478Vac
Operating frequency range	45-55Hz at 50Hz/54-66Hz at 60Hz (auto sensing)				
Power factor	≥0.99				
Harmonic distortion (THDi)	≤3% (100%non-linear load )				
Bypass voltage range	220Vac Max.voltage: +25%(optional +10%,+15%,+20%) 230Vac Max.voltage: +20%(optional +10%,+15%) 240Vac Max.voltage: +15%(optional +10%) Min. voltage: -45% (optional -20%,-30%) Frequency synchronize tracing range: ±10%				
Generator input	Support				
<b>OUTPUT</b>					
Output voltage	380/400/415Vac (3Ph+N+PE)				
Voltage regulation	±1%				
Power factor	0.9				
Output frequency	Line Mode: synchronize with input; when input frequency >±10% (±1%/±2%/±4%/±5% optional), output (50/60±0.1)Hz. Battery 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>SYSTEM FEATURES</b>					
Transfer time	Utility to Battery : 0ms; Utility to bypass: 0ms				
Overload	Line Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% to bypass.			
	Bat. Mode	Load≤110%: last 10min, ≤125%: last 1min, ≤150%: last 10s, ≥150% shut down UPS immediately			
	Bypass Mode	Breaker 20A	Breaker 32A	Breaker 40A	Breaker 63A
Alarm	overload, utility abnormal, UPS fault, battery low, etc.				
Protection	short circuit, overload, over temperature, battery low, fan fault alarm.				
Communication	USB, RS485, Parallel port, Coupler dry contact, Intelligent slot, SNMP card (optional), Relay card (optional)				
<b>ENVIRONMENTAL</b>					
Operating temperature	0℃~40℃				
Storage temperature	-25℃~55℃(no battery)				
Humidity range	0~95% (non condensing)				
Altitude	< 1500m. De-rating when >1500m				
Noise level	<55dB				<58dB
<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				
<b>Standard Unit</b>					
Model	Weight	Dimension(WxHxD)mm	Battery DC Voltage	Built-in Charger	Built-in Battery Quantity
PSOGT10K	95kgs	250*868*828	+/-120Vdc	1.35A	20pcs 12V/9AH(Max. 40pcs)
PSOGT15K	147kgs			2.70A	40pcs 12V/9AH
PSOGT20K				4A	60pcs 12V/9AH
PSOGT30K	223kgs				
<b>Long Backup Unit</b>					
Model	Weight	Dimension(mm)	Battery DC Voltage	Built-in Charger	Built-in Battery Quantity
PSOGT10K	42kgs	250*868*828	+/-96V / +/-108V / +/-120V	10A	N/A
PSOGT15K	45kgs				
PSOGT20K	45kgs				
PSOGT30K	71kgs				
PSOGT40K	73kgs				
<b>Matching Battery Pack</b>					
Model	Weight	Dimension(mm)	Built-in Battery Quantity		
PSOGT-BT-0009	243kgs	250*868*828	80pcs 12V/9AH		

Specifications subject to change without prior notice.