

Zeta Modular Series, 25KVA Power Module

Reference Standard- 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



Modular Design

- All units adopt modular design, these include power module, bypass module, monitoring module, which means can be easily integrated in MDC or customized cabinet.
- Power module, Bypass module, Monitoring module, ECU control module, all these modules are supported hot-swappable

High Reliability

- Width input voltage range, line voltage range is 138-485V, UPS would be derating when input voltage is below 305V.
- UPS adopts multiple digital bus and redundancy parallel control system, make sure the whole system keep online if any single circuit fail.
- The UPS will keep on single or parallel working, if any module failed.

Green and Power Saving

- High input power factor, it is up to 0.99.
- Three level topology design, efficiency is up to 95.8%.
- THDi<3% (100% nonlinear load)
- The UPS will be work on sleeping mode when the load is very less.
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Parallel Redundancy Function

- Support parallel expanded operation: maximum is 6 units
- Support sharing batteries for the UPS in parallel.

Flexible Battery Configuration

- Batteries number of each group can be selected from 30 pieces to 50 pieces.
- Large charging current can meet the requirement of long time backup.



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Strong Load Capacity

- Output power factor is 1.0, UPS can supply power to 100% unbalance load.
- High adaptability for load, it can connect full inductive load or capacitive load.

Intelligent Management

- With 7 inches (standard) colorful touch LCD screen. Support recording and exporting historic logs and fault logs.
- Support RS485, SNMP, Dry contact card, support RJ 45 interface and CAN interface.
- Support upgrade of CAN of power module inside of cabinet.
- Support upper-bottom cable access method 60K/150K/300K bottom entry, 300K top entry optional.
- EPO & REPO function.

Power Module - Hotswappable



- Power Module - 2U Size

Additional Accessories



Optimized Battery
Configuration 7Ah/9Ah (12V)



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Technical Specifications

Model		E050ZET33-25	E0100ZET33-25	E0150ZET33-25
Capacity (W)	UPS Cabinet	25k~50k / 25k~50k	25k~100k / 25k~100k	25k~150k / 25k~150k
	Module	E025ZPM333		
	Max. Number	2	4	6

Input

Nominal Voltage	380/400/415Vac, (3Ph+N+PE)
Operating Voltage Range	304~478VAC(L-L)full load; 304~228VAC (L-L) power derate from 100% to 50%
Operating Frequency Range	40Hz-70Hz
Power Factor	≥0.99
Harmonic Distortion (THDi)	≤2% (100% linear load)
Bypass Voltage Range	380/400/415VAC(L-L) Range: -40%- +25% , Settable, default -20% +15%
Bypass Frequency Range	Frequency protection range: ±10%
Generator Input	Support

Output

Rated Voltage		380/400/415Vac, (3Ph+N+PE)
Power Factor		1.0
Voltage Regulation		±1%
Output 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 (THDv)		<1%(linear load),<5% (non-linear load according to IEC 62040-3)

Efficiency

Efficiency	UP to 96.6%
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Battery

Battery voltage	±240Vdc
Power module Charge Current	50% of POut



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System Features

Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms
Overload	Line Mode	≤110% overload for 60 min; ≤125% overload for 10 min; ≥150% overload for 1 min
	Bypass Mode	135% overload for long term; >1000% overload for 100 ms
Overheat		Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately
Low battery voltage		Alarm and Switch off
Self-diagnostics		Upon Power On and Software Control
Backfeed protection		Support
EPO(optional)		Shut down UPS immediately
Battery		Advanced Battery Management
Noise suppression		Complies with EN62040-3
Audible & Visual alarms		Line Failure, Battery Low, Overload, System Fault
Status LED & LCD display		Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault
Reading on the LCD display		Input, Output, Battery, Command, Setting, Maintenance
Communication interface		CAN, RS485, Parallel, Dry contact port, Relay card(optional), SNMP card(optional), Battery temperature sensor(optional)

Environmental

Operating temperature		0°C~40°C
Storage temperature		-25°C~55°C
Humidity range		0~95% (non condensing)
Altitude		< 1500m
Noise level(from 1M distance)		65dB @ 100% load, 62dB @ 45% load

Physical

Dimension W×H×D (mm)	UPS Cabinet	442 x 841 x 797		
	Power Module	440 x 620 x 86 (2U)		
Net weight (kg)	UPS Cabinet	91.9	120	147.7
	Power Module	13.95kg		

