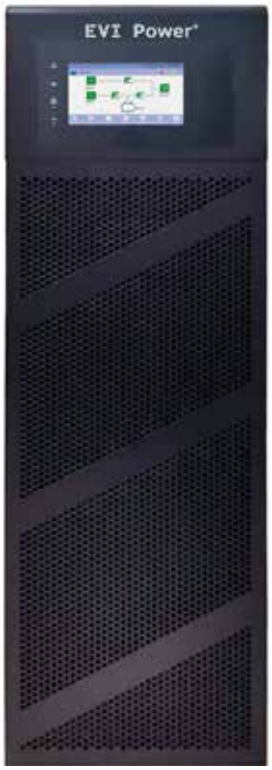
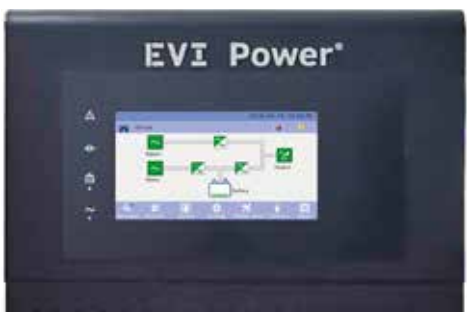
EVI Power®

EVI 3300 SERIES | 10 ~ 80kVA | *3:3 phase PF: 0.9*



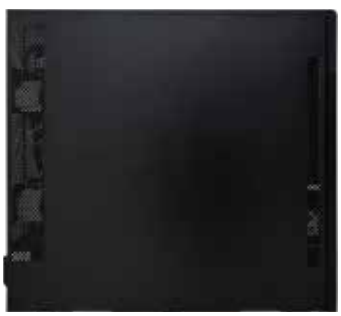
Features

- Online- Double conversion
- Output transfer time is Oms
- PFC technology
- Full digital control (DS P)
- 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:
  10 - 30K(16/18/20 pcs optional) 40 - 80K (32/34/36/38/40 pcs optional)
- Wide input voltage range: 208-478Vac
- Wide input frequency range: 40- 70Hz
- DC start
- Communication port: USB/RS232 / 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 meet 100% unbalanced load



CONTROL PANEL

REAR PANEL



SIDE PANEL

ACCESSORIES

Technical Specifications

MODEL	10000Y(H)33OT	15000Y(H)33OT	20000Y(H)33OT	30Y(H)33OT	40YH33OT	60YH33OT	80YH33OT
CAPACITY (VA / Watts)	10k / 9k	15k / 13.5k	20k / 18k	30k / 27k	40k / 36k	60k / 54k	80k / 72k

INPUT							
Nominal Voltage	380/400/415Vac (3Ph+N+PE)						
Operating Voltage Range	208~478Vac						
Operating Frequency Range	45~55Hz at 50Hz / 54~66Hz at 60Hz (auto sensing)					40~70Hz (Inverter mode)	
Power Factor	≥ 0.99						
Bypass Voltage Range	380Vac Max.voltage: +25% (optional +10%, +15%, +20%) 400Vac Max.voltage: +20% (optional +10%, +15%) 415Vac Max.voltage: +15% (optional +10%) Min. voltage: -45% (optional -20%, -30%)						
Bypass Frequency Range	Frequency synchronize tracing range: ±10%						
ECO Range	Same as bypass						
Harmonic Distortion (THDi)	≥3% (100% non-linear load)						
OUTPUT							
Nominal Voltage	380/400/415Vac (3Ph+N+PE)						
Power Factor	0.9						
Voltage Regulation	±1%						
Frequency – Line Mode	±1%/ ±2% / ±4% / ±5% / ±10% of the rated frequency (optional)						
Frequency – Bat. Mode	50/60(± 0.1)Hz						
Crest factor	3:1						
Harmonic distortion (THO)	≤2% with linear load ≤5% with non linear load						
Efficiency	93.50%	94.5%					

BATTERY						
	(H) models are Long run units that can only be configured with external battery cabinet only that are purchased seprately					
Battery Voltage	Standard unit: ±120Vdc (2x20x12V9AH); (H)Long run unit: ±96V / ±108V / ±20Vdc (16 /18 / 20pcs optional)	Standard unit: ±120Vdc (2x20x12V9AH); (H)Long run unit Optional Voltage: ±96V / ±108V / ±120Vdc (16 / 18 / 20pcsfoptional)	Standard unit: ±120Vdc (3x20x12V9AH); (H)Longrun unit Optional Voltage: ±96V / ±108V / ±120Vdc (16 /18 / 20pcs optional)	(H)Long run unit Optional Voltage: ±192V / ±204V / ±216V / ±228V / ±240Vdc (32 / 34 / 36 / 38 / 40pcs optional)		
Charge Current(A) (charge current can be set according to battery capacity installed)	Standard unit: 1.35A Long run unit: Max.current 10A	Standard unit: 2.7A Long run unit: Max.current 10A	Standard unit: 4.05A Long run unit: Max.current 15A	Max.current 15A	Max.current 30A	Max.current 30A

SYSTEM FEATURES	
Transfer Time	Utility to Battery: 0ms; Utility to bypass: 0ms
Overload	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, ≥150% change to bypass.
Short Circuit	Hold Whole System
Communication	USB,RS232, RS485, Parallel port, REPO port, Coupler dry contact, Intelligent slot, SNMP card (optiona l), Relay card (optional).LBS port (on ly 60-80k)

ENVIRONMENTAL							
Operating Temperature	0~40°C						
Storage Temperature	-25~55°C(No battery)						
Humidity Range	0~95% (Non condensing)						
Altitude	< 1500m. When>1500m, lower the rated power for use						
Noise level	<55dB	<58dB				<63dB	

PHYSICAL							
Dimension D x W x H (mm)	828 x 250 x 868					828 x 360 x 868	
Net weight (kg)	115/57	170/63	171/64	223/71	73	118	122

STANDARDS	
Safety	IEC/EN62040-1,IEC/EN60950-1
EMC	IEC/EN62040-2, IEC61000-4-2, 1EC61000-4-3, IEC61000-4-4, 1EC61000-4-5, IEC61000-4-6, IEC61000-4-8

Specications subject to change without prior notice.