HPM3300E-RT Series

Features

Operating mode

- Double conversion online design
- Input power factor correction (PFC) technology, input power factor up to 0.99

Fully digital control

- Digital signal process (DSP) makes the system more stable and reliable

Parallel redundance function

- No require the parallel cabinet, can be paralleled directly; 10~30kVA can be paralleled by 4 sets, 40~50kVA by 6 sets
- LBS synchronization (40~50kVA)
- Battery pack can be common connection in parallel operation

Adjustable battery design

- 30~50 pcs battery are settable

Output load capacity

- Suitable for complete unbalanced load

Intelligent charging management

- Users can set the charging current, constant current, constant voltage and floating charging three-stage charging management automatic smooth switch

Display

- LED+LCD

Safe and reliable protection

- Power on self-diagnosis function
- Output overload, output short circuit, inverter over temperature, battery under voltage warning and battery overcharge protection
- Static electronic bypass switches
- DC start function
- Fan intelligent speed regulation design, prolong fan life, high efficiency and energy saving

EPO function

- EPO is the Emergency Power Off

Technical Specifications

MODEL	HPM3310E-RT	HPM3315E-RT	HPM3320E-RT	HPM3325E-RT	HPM3330E-RT	HPM3340E-RT	HPM3350E-RT
Capacity (VA/W)	10k/10k	15k/15k	20k/20k	25k/25k	30k/30k	40k/40k	50k/50k
INPUT							
Nominal Voltage (Vac)	380/400/415, (3Ph+N+PE)						
Operating Voltage Range (Vac)	138~485						
Power Factor	≥0.99						
Harmonic Distortion (THDi)	≤3% Linear load						
Bypass Voltage Range (Vac)	Max.voltage: 220:+25% (Optional+10%,+15%,+20%) 230:+20% (Optional+10%,+15%) 240:+15% (Optional+10%) Min.voltage:-45% (Optional-10%,-15%,-20%,-30%)						
Bypass Frequency Range (Hz)	±10%						
OUTPUT							
Nominal Voltage (Vac)	380/400/415 (3Ph+N+PE)						
Voltage regulation	±1%						
Output Frequency (Hz)	Line Mode: ±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional); Bat. Mode: (50/60±0.1%)						
Crest Factor	3:1						
Harmonic Distortion (THDv)	≤2% with linear load; ≤5% with non linear load					≤2% with linear load ≤4% with non linear load	
Overload	Load≤110%: last 60min,≤125%: last 10min,≤150%: last 1min						
EFFICIENCY							
AC Mode	Up to 95.5%						
ECO Mode	Up to 98.0%			Up to 98.5%		Up to 99.0%	
BATTERY							
Battery Type	VRLA (Lead acid maintenance free battery)						
Battery Voltage (Vdc)	Optional Voltage: ±180/±192/±204/±216/±228/±240/±252/±264/±276/±288/±300 (30/32/34/36/38/40/42/44/46/48/50pcs optional) 360~600 (30~50pcs, 30pcs default, 36~50pcs no power derating; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8)						
Charging Current (Max.)(A)	18					20	
MANAGEMENT							
Alarm	Overload, utility abnormal, UPS fault, battery low, etc.						
Communication ports	USB, RS232, RS485, Parallel port, Dry contact port, REPO port, Backfeed port, SNMP card (Optional), Battery temperature sensor (Optional)					USB, RS232, RS485, Parallel port, REPO port, LBS port, Dry contact port (Backfeed/Battery breaker driver), SNMP card (Optional), Relay card (Optional), Battery temperature sensor (Optional)	
ENVIRONMENTAL							
Operating Temperature (℃)	0~40						
Storage Temperature (℃)	-25~55 (No battery)						
Humidity Range	0~95% (Non condensing)						
Altitude (m)	<1000, derating required when>1000						
Noise Level (dB)	<55					<56	<58
PHYSICAL							
Dimension WxDxH (mm)	440×670×130 (3U)					440×800×175 (4U)	
Weight (kg)	25	27		28		45	48
STANDARDS							
Safety	IEC/EN 62040-1, IEC/EN 62477-1						
EMC	IEC/EN 62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11)						
Performance	IEC 62040-3: 2021, EN IEC 62040-3: 2021					/	

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design