



MEMOPOWE PLUS III SERIES

6~10kVA

1:1 phase PF: 0.9

Features

- N+X parallel redundancy
- Online double conversion with DSP control
- Input current harmonic: <3%
- Optimization battery group, the quantity of battery: 16/20 pieces (optional)
- High output power factor at 0.9PF
- Wide input voltage range: 110~300Vac
- Wide input frequency range: 40Hz~70Hz
- Support generator input
- Support economic(ECO) operation mode
- Self-testing when UPS startup
- Options: SNMP card / Relay card / Parallel card
- Cold start



Control Panel

Technical Specifications:

MODEL		MEMO PLUS III S 6kVA	MEMO PLUS III H 6kVA	MEMO PLUS III H 10kVA
CAPACITY		6k/5.4k		10k/9k
INPUT				
Nominal Voltage		208/220/230/240Vac		
Operating Voltage Range		110 ~ 300Vac		
Operating Frequency Range		40 ~ 70Hz		
Power Factor		≥0.99 @Nominal voltage (100% load)		
Bypass Voltage Range		Max.voltage:220V:+25%(optional+10%,+15%+20%)230V:+20%(optional+10%,+15%) 240V:+15%(optional+10%) Min.Voltage:–45%(optioan–20%,–30%)		
Bypass Frequency Range		Frequency Protection Range: ± 10%		
ECO Range		Same as the bypass		
Harmonic Distortion (THDi)		<2%(100% Linear load);<5%(100% non linear load)		
Generator Input		Support		
OUTPUT				
Rated Voltage		208/220/230/240Vac		
Power Factor		0.9		
Voltage Regulation		± 1%		
Frequency	Line Mode	47~53Hz or 57~63Hz		
	Bat.Mode	(50/60 ± 0.1)Hz		
Crest factor		3:01		
Harmonic Distortion(THDv)		≤2% With linear load; ≤2% With non–linear load		
Efficiency		>94%		
BATTERY				
Battery Voltage		120Vdc	192Vdc	240Vdc
Capacity(Standard Unit)		12V/7Ah/9Ah		
Typical Recharging Time		5 hours recover to 90% of full capacity		
Charging Current		1A(Standard Unit); Max.Current12A(Long run unit); (Charging current can be set according to battey capacity installed)		
SYSTEM FWATURES				
Transfer Time		Mains to battery:0ms;Mains to bypass:0ms		
Overload	Line Mode	Load≤110%:last 10Min,≤130%:last 1Min,≤150:last 3s,>150% turn to bypass mode immediately		
	Bypass Mode	40A(Breaker)		60A(Breaker)
Short Circuit		Hold whole system		
Overheat		Line Mode:Turn to Bypass; Bat.Mode:Shut down.UPS immediately		
Battery Low		Alarm and switch off		
Self–Diagnostics		Upon power on and software control		
Battery		Advanced battery management		
Audible&Visual Alarms		Line failure,Battery low,Overload,System fault		
LED&LCD Display		Line mode,Bat.mode,ECO mode,Bypass mode,Battery under voltage,Overload&UPS fault		
LCD Display		Input voltage,Input Frequency,Output Voltage,Output Frequency,Load percentage,Battery Voltage,Inner temperature&Remaining battery backup time		
Communication Interface		RS232,USB,SNMPCard(optional),Paralle card(optional),Relay card(optional)		
ENVIRONMENT				
Operating Temperature		0~40℃		
Storage Temperature		25~55℃		
Humidity Range		0–95%(Non–condensing)		
Altitude		<1500m		
Noise Level		46db at 1 meter		54db at 1 meter
PHYSICAL				
Dimension D × W × H(mm)		466 × 199 × 337		
Net Weight(kg)		36	13	15
STANDARDS				
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		

When using batteries for 10 pcs, the unit will de-rate according to below formula: $P = P_{\text{rating}} \times 0.8$

Specifications are subject to change without prior notice.