

# MU800 LF 1/1

3kVA ~ 20kVA  
PF 0.8



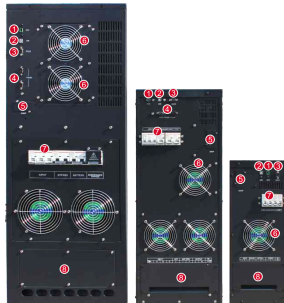
## Pure copper Transformer inside Low Frequency Single Phase In Single Phase Out

### Features

- Single / single-phase, three / single-phase models with on-line double conversion technology
- DSP (Digital Signal Processors) technology
- Suitable for all kinds of loads (resistive, inductive and non-linear loads etc)
- High overload capability (up to 150%)
- Bypass dual DSP control design to enhance more reliability(10~30 kVA)
- Supports dual input, hot standby in series
- Redundant & parallelable with advanced parallel current-sharing control technology (10 - 30 kVA)
- Cold start and mains start function
- High charging capability: 2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable (standard), 14 A / 16 A / 18 A / 20 A / 22 A / 24 A selectable (options)(10~30 kVA)
- Standard configuration with output isolation transformer
- Superior protection (surge, short-circuit, overvoltage, undervoltage, overcharge, reverse battery protection etc.)
- Advanced communications: RS232 and USB ports (standard), SNMP, dry contacts and RS485 (options)
- Other options (parallel kits, input isolation transformer, bypass isolation transformer and harmonic suppressor)

### Rear Panel

1. EPO
2. USB
3. RS232
4. Parallel port (optional)
5. SNMP (optional)
6. Fan
7. Breaker
8. Terminal



### Specifications

MODEL	MU803 LF (1:1)	MU806 LF (1:1)	MU810 LF (1:1)	MU815 LF (1:1)	MU820 LF (1:1)
Capacity	3kVA / 2400 W	6 kVA / 4800 W	10 kVA / 8 kW	15 kVA / 12 kW	20 kVA / 16 kW
<b>INPUT</b>					
Input wiring	Single-phase three-wire (1Φ + N + PE)		Three-phase five-wire (3Φ + N + PE)		
Rated voltage	220 / 230 / 240 Vac		380 / 400 / 415 Vac		
Voltage range	165 ~ 275 Vac		285 ~ 475 Vac		
Rated frequency	50 / 60 Hz				
Frequency range	40 ~ 70 Hz				
Bypass voltage range	± 25% (settable)				
<b>OUTPUT</b>					
Output wiring	Single-phase three-wire (1Φ + N + PE)				
Rated voltage	220 / 230 / 240 Vac				
Output voltage regulation	± 1%				
Rated frequency	50 / 60 Hz (settable)				
Output frequency regulation	50 / 60 Hz ± 0.1 Hz in battery mode				
Waveform	Sinusoidal				
Power factor	0.8				
Voltage distortion (THDv)	≤ 2% (linear load); ≤ 5% (non-linear load)				
Crest factor	3:1				
Overload	105% ~ 125% for 10 min, 125% ~ 150% for 1 min, 150% ~ 200% for 200 ms, > 200% for 100 ms				
<b>BATTERIES</b>					
DC voltage	48 Vdc	192 Vdc			
Number of batteries	12 V x 4 pcs	12 V x 16 pcs			
Charging voltage	216 Vdc				
EOD	168 Vdc				
Charging current	Default 8 A (2 A / 4 A / 6 A / 8 A / 10 A / 12 A selectable)				
<b>SYSTEM</b>					
Max. number of parallel connections	/		2		
Protections	Short-circuit, overload, overvoltage, undervoltage, low battery, overtemperature				
Communications	RS232 / USB (standard); RS485 / SNMP / dry contacts (optional)				
<b>OTHERS</b>					
Operating temperature	0 ~ 40°C				
Storage temperature	- 25°C ~ 55°C (without batteries)				
Relative humidity	0 ~ 95% (non-condensing)				
Altitude	≤ 1000 m (derating 1% for each additional 100 m)				
IP rating	IP 20				
Noise level at 1 m	< 60 dB				
Dimensions (W x D x H) (mm)	200 x 608 x 538	210 x 585 x 590	310 x 600 x 880	400 x 815 x 1100	
Packaged dimensions (W x D x H) (mm)	230 x 580 x 720	328 x 716 x 805	430 x 710 x 1080	525 x 925 x 1305	
Net weight (kg)	54	54	104	210	240
Gross weight (kg)	64	64	113	225	255

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.
- This product is applicable to industrial, commercial, financial, rail transit and other industries applications, but not available for life support systems.
- For critical systems related to public safety or significant economic benefits, dual power system is required to power the load.