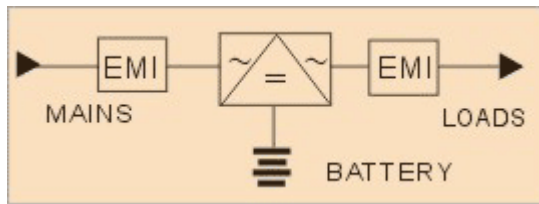


USU series

Operation principle:



Smart pure sine wave UPS adopts micro-processor chip intelligent control, with big power MOS-FET offering high efficiency, and suitable for long back-up feed. Built-in computer interface monitoring intelligently the status of UPS working, highly meet the requirement of high quality, high reliability to power.

Electrical specification:

■ Input

- **Phase/wire:** Single-phase 2wire+G;
- **Voltage:** 230V,220V±20% or 115V,110V±5%;
- **Frequency:** 45-65Hz;

■ Output

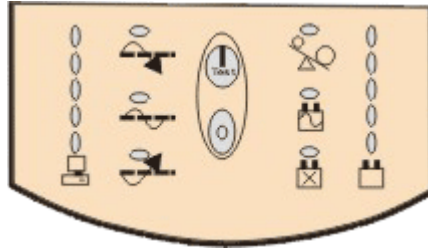
- **Phase/wire:** Single-phase 2wire+G;
- **Inverter voltage:** 230V,220V or 115V,110V±5% adjustable;
- **Wave form:** sine-wave, <3%THD;
- **Inverter frequency:** 50Hzor60Hz±0.2%;
- **Over-load capacity:** 120%-25s, 150%-1s;
- **Crest ration:** 3:1;
- **Load power factor:** 0.65 lagging, Load PF range:0.6 lagging to 0.8 leading with capacity;
- **Efficiency:** Over95%;

■ Battery









- **Model:** Sealed maintenance-free battery, can be extended to over 8hours feed.;
- **Recharging time:** 2-5 hours up to 90% capacity;

■ Battery

- **Battery:** When low voltage, switch off UPS accompanying with alarming;
- **Short circuit:** Auto current-limited, switch off inverter and UPS shut down auto if over time;
- **Over-load:** Auto shut off when load over 120% over 25 seconds, or 150% over 1second;
- **UPS fault:** Keep beeping and indicate fault;
- **Over temperature:** Over 85°C transfer to bypass feed and auto back to inverter feed while below 60°C;
- **Surge voltage:** Comply with IEC801-5 standard;
- **EMC output capacity:** Comply with EN55022B class;
- **EMI filter:** 10-100KHz for 40dB, 100KHz-100MH for 70dB;



■ **Intelligent indicator and alarm**

- : On line feed;
- : On line feed, Mains voltage too high;
- : On line feed, Mains voltage too low;
- : Over load;
- : Battery feed;
- : Battery abnormal;
- : Load capacity;
- : Battery capacity;
- All abnormal status have display and alarms.

■ **Communicate interface**

- DB9, connecting with RS232,SNMP, offer high intelligent interface for most computer system monitoring function.

■ **Ambient Environment**

- **Temperature:** 0-40℃,
- **Storage temperature:** -20℃-70℃,
- **Humidity:** Upto95% non-condensing.

■ **Related specifications**

Model	Capacity (VA)	Dimension(CM)W*D*H	weight (KG)	Noise (dB)	Back up time(mn)
USU700i	700	14*37*16	14	<40	10mn
USU1000i	1K	17*44*21	20.8	<43	8mn
USU1400i	1.4K		28.8		15mn
USU2200i	2.2K	20*53*42	55	<45	8mn
USU3000i	3K		65		10mn
USU4000i	4K		58		External
USU5000i	5K		62		External
USU6000i	6K		71		External
USU700RMi	700	48*38*13(3U)	18	<40	10mn
USU1000RMi	1K		21	<43	8mn
USU1400RMi	1.4K		27		15mn
USU2200RMi	2.2K	48*55*26(6U)	55	<45	External
USU3000RMi	3K		59		External