

(1100 VA - 5000 VA)







## **Features**

- for longer autonomy-times
- pure sine wave
- without batteries, additional battery cabinet optional
- Smart backup time estimation
- Adjustable voltage sensitivity, voltagetransfer points & charging voltage
- Generator compatible
- Automatic restart of load after UPS shutdown
- Smart AVR function (Two buck / boost modes)
- Cold-start capable
- Audible alarm
- Hot-swappable batteries for rack models
- Smart battery management
- Network manageable (SNMP optional)
- Full function of LCD display (LED display optional)
- Intelligent double stages of charging control
- with 10A-charger for long backup time
- wet battery compatible
- thermal control cooling fan
- Power Management Software inclusive

## **Applications:**

- Networkserver
- Small computersystems
- Data centers
- Telecommunicationssystems
- Industrial applications
- Safty and protection system





## Micro-S L Pro/ Micro-S L-RM Pro

Model (Tower-Version)	Micro-S 1100 L-Pro	Micro-S 2200 L-Pro	Micro-S 3000 L-Pro	
Capacity	1100 VA/	2200 VA/	3000 VA/1800 W	-
Model (19" RM-Version)	660 W Micro-S 2000 L-RM-Pro	1350 W Micro-S 2700 L-RM-Pro	Micro-S 4000 L-RM-Pro	Micro-S 5000 L-RM-Pro
Capacity	2000 VA/ 1250 W	2700 VA/ 1700 W	4000 VA/ 2500 W	5000 VA/ 3200 W
Output	1250 W	1700 W	2500 W	3200 W
Voltage		100/110/115/120 V or 200/		
Voltage waveform		sine v		
Crest factor Frequency (Synchronized to Mains)	auto soloct for	3 : 50/60 Hz; 47Hz ~ 55Hz for 50		r 60Hz nominal
Regulation (nominal)		al of nominal voltage (option		
Regulation (battery mode)		cted output voltage (adjustal		
Transfer time	blackout 3ms t	ypical; brownout 1ms typical;	battery mode to normal mo	ode: 1ms typical
Over current protection	over load	alarm level 100% ~ 120%; or (adjustable by using the		% ~ 190%
<mark>Input</mark> Nominal Voltage		100/110/115/120 V or 200/	220/230/240 V selectable	
Frequency	47Hz ~ 65Hz, 50/60Hz auto-sensing			
Efficiency (normal mode)	97 %			
Noise filtering	full time EMI/RFI filtering			
Over current protection 230V T	by AG	C fuse	by re-settable over current protector	-
Over current protection 115V T Over current protection 19" RM	by AC fuse	by re-settable over By re-settable over	currenct protector	-
Voltage range	-20% ~ +24% for selected nominal voltage; -29% ~ +33% adjustable by using the remote set-up software			
AVR range (2 Bucks, 2 Boosts)	enhanced buck: +15% of selected nominal voltage; buck mode: +5% of selected nominal voltage boost mode: -5% of selected nominal voltage; enhanced boost: -12.5% of selected nominal voltage			
Surge protection 230V models	220 Joules/ 440 Joules 19"RM	440 Joules		oules
Surge protection 115V models	216 Joules/ 324 Joules 19"RM		324 Joules	
Battery				
Type	24)/d=/40)/d===+\/	Lead-Acid 25		1/4-
/oltage in Vdc	24Vdc (48Vdc opt.)/ 48 19"RM	48Vdc	12	Vdc
Typcial backup time	10 13 1111	No L	imit	
Charging method	smart pulse charging with two charging modes; quick charging when battery is not fully charged, trickle charging when battery is 90% fully charged			
Average charging current		11A at normal line and		
Average charging voltage for each battery	Autalda ahaan	quick charging mo		
Protection	trickle charging mode: 13.2V ~ 13.9V adjustable with the remote set-up software  over current protection (SCR control); over charging voltage protection (SCR control); thermal protection (CPU control); When temperature inside UPS is over 45°C, charger will stop charging for 2.5 minutes followed by an 1.5 minutes charging. The cycle will be repeated until the temperature is lower than 44°C.			
Monitoring	smart	monitoring&warning for fail Auto-detection each time wh	led battery or open-circuit ba	attery.
			ich potrei on or every o day.	5
for up to 6 x 12V-12Ah		rnal battery cabinet: DxHxW i	in mm: 510 x 200 x 180	-
for up to 6 x 12V-12Ah for up to 8 x 12V-12Ah			in mm: 510 x 200 x 180	
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