



UPS-MAK Outdoor 3 kVA UPS <http://www.mak-powersis.de/3-kva-outdoor-ups.html>

POWER	Customization	We customize any kind of UPS “ Voltage, Current, Charging, Delta or Star Connection, Isolation Transformer, Water Protection, Solar Panel Connection, Three of Single Phase”
	Power kVA	3kVA
	Power kW	2,4kW
	Efficiency Online	@%50 Load %91 & @%100 Load %95,5
	Efficiency EcoMode	>%98

INPUT	Voltage & Frequency	Single Phase: 230V / Three Phase 400VAC & 50Hz / 60Hz
	Voltage optional	Single Phase 110V - 230V & Three Phase 380VAC - 400VAC – 415VAC - 480V
	Voltage range	- %15 / +%15 (-%50 Optional)
	Power factor	0.99
	THDi	<%4

By-PASS	Dual input	Optional
	Voltage range	-%10 / +%10 (adjustable)
	Frequency range	-%10 / +%10 (adjustable)

OUTPUT	Voltage & Frequency	400VAC (three-phase) & 50Hz / 60Hz
	Voltage form	Pure Sinus
	THD(u)	%2< Linear load & <%5 Nonlinear load
	Crest factor	3:1
	Power factor	0.7 (Dreilevel Technologie)

GENERAL	Overload capability	<%110 = 60Min & <130% = 10Min & <150% = 1Min
	Technology	Three Level Rectifiers & Inverters
	Control	DSP & SPWM
	Parallel system	6 System
	Communication	SNMP, RS232, RS485, USB, MODBUS
	Dry contact	Optional (4 – 10 Pins)
	Temperature	0C / +40C Celcius – Optional (-10C / +55C Celcius)
	Moisture	%96
	Noice (1m)	<60 Db (A)
	LCD	Backlit alphanumeric display
	Batteries	20 - 30 (12V AGM & GEL Batterien)
	Standard protection	EN 62040-1
	Standard EMC	EN 62040-2
Vibration Class	Vibration Reducted For Vessels	

UPS CABINET	Maximum W (mm)	480
	Maximum D (mm)	895
	Maximum H (mm)	1225
	H (kg)	250kg & (Batteries + Transformer Please Ask)
	Water & Dust Protection	IP21, IP22