

UPS range Powerwat+11RS

power range from 1 up to 3 kVA
new-fashioned design

UPS range Powerwat+11RS are true modular on-line with double conversion technology, i.e. with permanent working rectifier and inverter. Output inverter is DSP controlled - in this way is achieved max. quality of output voltage independently on input voltage and output load. There is IGBT rectifier also DSP controlled and contains PFC circuit which ensures input low level power factor and low ripple input current. Batteries are internal or can be installed in external battery cubicles.



Technical description			
UPS type	Powerwat+1101RS	Powerwat+1102RS	Powerwat+1103RS
power (kVA)	1000	2000	3000
power (kW)	900	1800	2700
output pf	0,9		
input			
input voltage	220,230,240 VAC		
input frequency	50 / 60 Hz		
input voltage range	110-288VAC		
input frequency range	40 – 70 Hz		
input pf	>0,97		
batteries			
battery voltage	36 VDC	72 VDC	96 VDC
output			
rated output voltage	220,230,240 VAC		
output frequency	50 / 60 Hz		
output voltage precision	±1%(0-100% linear load)		
output frequency regulation	50/60Hz ±0.5%		
output THDu	<1% linear load,; <6 % non-linear load according IEC/EN62040-3		
output overload	130%, 1min; 150%, 0,5min; shutdown after 1 min.(Line mode)		
efficiency	87 %	91 %	90 %
general			
acoustic noise level (at 1m)	46dB @ 70% load		
operating temperature	0 - 40°C		
relative humidity	0 - 95%		
dimension (w x d x h, mm)	440*430*86(2U)	440*480*173(4U)	
weight (kg)	13,5	28	33
colour	black,RAL 7021		
protection level	IP20		