

Technical specification

Inverter

Model	1012	1312	1512	2012	1024	1524	2324	2336	
Power rating									
Continues output power	1000W	1300W	1500W	2000W	1000W	1500W	2300W	2300W	
Output power surge (1 sec)	2000W	3000W	3000W	4000W	2000W	3000W	4000W	4000W	
Output power surge (10 sec)	1500W	1800W	2000W	2800W	1500W	1800W	3000W	3000W	
Output power surge (15 min)	1200W	1500W	1700W	2200W	1200W	1700W	2500W	2500W	
Max efficiency	90%	92%	90%	90%	93%	93%	92%	92%	
Self Power Consumption									
No load	10W	10W	15W	15W	10W	10W	15W	17W	
Load search mode					<3W				
Sleep mode					<8mA				
Thermal Management									
Max operating temperature					50°C				
Min operating temperature					-20°C				
Max internal temperature					80°C				
Voltage out									
Nominal output voltage					230 VAC				
Output voltage tolerance					-10% , +5%				
Frequency					50 Hz				
Waveform					Sine				
THD Max.					3%				
DC Voltage									
Battery input voltage (nominal)			12 VDC				24 VDC		36 VDC
Max battery input voltage			15 VDC				30 VDC		45 VDC
Low battery cutoff (slow reaction 3 sec)			10,5 VDC				21 VDC		25 VDC
Low battery cutoff (fast reaction <10 ms)			9 VDC				18 VDC		23 VDC
Voltage before inverter can switch on again after low battery cutoff			12,75 VDC				25,5 VDC		38,25 VDC

Charger

Model	1012-50	1312-80	1512-80	2012-100	1024-30	1524-40	2324-50
Battery							
Battery Types	Open, Sealed Lead Acid and Clayton Power Lithium Ion						
Charge characteristics	IUoUo						
Battery Temperature sensor	Yes (Optional)						
Charge Current							
Max Charge current (adjustable)	0 – 50 A	0 – 80 A	0 – 80 A	0 – 100 A	0 – 30 A	0 – 40 A	0 – 50 A
Charge Current reduction @ 50°C (% of max current)	0 %						
Charge Current reduction @ 60°C (% of max current)	15 %						
Charge Current reduction @ 80°C (% of max current)	50 %						
Charge Voltage							
Boost charge voltage	14,4 VDC			28,8 VDC			
Float charge voltage	13,5 VDC			27 VDC			
Input Mains							
AC Input voltage Max				265 VAC			
AC input voltage min (full charge current)				185 VAC			
AC input voltage min (reduced charge current)				110 VAC			
AC inrush current (max)				50 A			
Power consumption (max)	1000	1500	1500	1900	1200	1500	1900
Frequency	45 Hz – 65 Hz						
Power factor	0,9						
Max efficiency	90 %						
Bypass Current							
AC input to AC output (max)	10 A						
Fuse Rating							
Fuse type	10AT						

Mechanical

Model	1012-50	1312-80	1512-80	2012-100	1024-30	1524-40	2324-50
Weight	7,5 kg	7,5 kg	9,5 kg	9,5 kg	7,5 kg	7,5 kg	9,5 kg
Dimensions (W x L x H)	198 x 336 x 118	198 x 336 x 118	198 x 414 x 118	198 x 414 x 118	198 x 336 x 118	198 x 336 x 118	198 x 414 x 118
Package dimensions (W x L x H)	275 X 460 X 260	275 X 460 X 260	275 X 535 X 260	275 X 535 X 260	275 X 460 X 260	275 X 460 X 260	275 X 535 X 260
Package weight	8,6 kg	8,6 kg	10,5 kg	10,5 kg	8,6 kg	8,6 kg	10,5 kg