

MultiPlus	12 Volt 24 Volt 48 Volt	C 12/800/35 C 24/ 800/16	C 12/1200/50 C 24/1200/25	C 12/1600/70 C 24/1600/40	C 12/2000/80 C 24/2000/50	12/3000/120 24/3000/70 48/3000/35	24/5000/120 48/5000/70
PowerControl		Yes	Yes	Yes	Yes	Yes	Yes
PowerAssist		Yes	Yes	Yes	Yes	Yes	Yes
Transfer switch (A)		16	16	16	30	16 or 50	100

INVERTER

Input voltage range (V DC)	9,5 – 17 V 19 – 33 V 38 – 66 V						
Output	Output voltage: 230 VAC ± 2%			Frequency: 50 Hz ± 0,1% (1)			
Cont. output power at 25°C (VA) (3)	800	1200	1600	2000	3000	5000	
Cont. output power at 25°C (W)	700	1000	1300	1600	2400	4000	
Cont. output power at 40°C (W)	650	900	1200	1400	2200	3700	
Cont. output power at 65°C (W)	400	600	800	1000	1700	3000	
Peak power (W)	1600	2400	3000	4000	6000	10.000	
Maximum efficiency (%)	92 / 94	93 / 94	93 / 94	93 / 94	93 / 94 / 95	94 / 95	
Zero load power (W)	8 / 10	8 / 10	8 / 10	9 / 11	20 / 20 / 25	30 / 35	
Zero load power in AES mode (W)	5 / 8	5 / 8	5 / 8	7 / 9	15 / 15 / 20	25 / 30	
Zero load power in Search mode (W)	2 / 3	2 / 3	2 / 3	3 / 4	8 / 10 / 12	10 / 15	

CHARGER

AC Input	Input voltage range: 187-265 VAC		Input frequency: 45 – 65 Hz		Power factor: 1		
Charge voltage 'absorption' (V DC)	14,4 / 28,8 / 57,6						
Charge voltage 'float' (V DC)	13,8 / 27,6 / 55,2						
Storage mode (V DC)	13,2 / 26,4 / 52,8						
Charge current house battery (A) (4)	35 / 16	50 / 25	70 / 40	80 / 50	120 / 70 / 35	120 / 70	
Charge current starter battery (A)	4 (12 V and 24 V models only)						
Battery temperature sensor	yes						

GENERAL

Auxiliary output (5)	n. a.	n. a.	n. a.	n. a.	Yes (16A)	Yes (50A)	
Programmable relay (6)	Yes						
Protection (2)	a - g						
VE.Bus communication port	For parallel and three phase operation, remote monitoring and system integration						
General purpose com. port	n. a.	n. a.	n. a.	n. a.	Yes	Yes	
Remote on-off	Yes						
Common Characteristics	Operating temp. range: -40 to +65°C (fan assisted cooling) Humidity (non-condensing): max 95%						

ENCLOSURE

Common Characteristics	Material & Colour: aluminium (blue RAL 5012)			Protection category: IP 21			
Battery-connection	battery cables of 1.5 meter			M8 bolts	Four M8 bolts (2 plus and 2 minus connections)		
230 V AC-connection	G-ST18i connector			Spring-clamp	Screw terminals 13 mm ² (6 AWG)	M6 bolts	
Weight (kg)	10	10	10	12	18	30	
Dimensions (hwxwd in mm)	375x214x110			520x255x125	362x258x218	444x328x240	

STANDARDS

Safety	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1						
Emission, Immunity	EN 55014-1, EN 55014-2, EN-IEC 61000-3-2, EN-IEC 61000-3-3, IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-3						
Road vehicles	12V and 24V models: ECE R10-4						
Anti-islanding	See our website						

1) Can be adjusted to 60 HZ; 120 V 60 Hz on request

2) Protection key:

- a) output short circuit
- b) overload
- c) battery voltage too high
- d) battery voltage too low
- e) temperature too high
- f) 230 VAC on inverter output
- g) input voltage ripple too high

3) Non-linear load, crest factor 3:1

4) At 25°C ambient

5) Switches off when no external AC source available

6) Programmable relay that can a.o. be set for general alarm,

DC under voltage or genset start/stop function

AC rating: 230 V/4A

DC rating: 4 A up to 35 VDC, 1 A up to 60 VDC