

Specifications isolation transformers

					
	Mass GI 3.5	Mass GI 7	IVET-D 16 A 3.5 kVA multi tap	IVET 3.5*	IVET 4.5
Product code	88000355	88000705	86060351	85000350	85000450
INPUT					
Input voltage	90-255 V	90-255 V	220-240 V (110-120 V adjustable)	110/220/240 V	110/220/240 V
Input frequency	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
Nominal input current at 230 V	16 A	32 A	16 A	16 A	20 A
No load consumption	22 W	44 W	<10 W	<10 W	<10 W
Earth leakage protection	no	no	no	no	no
OUTPUT					
Output voltage	90-255 V, ± 5%	90-255 V, ± 5%	220-240 V, ± 5% (110-120 V adjustable)	120/220/240 V, ± 5%	120/220/240 V, ± 5%
Output frequency	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
Soft Start	yes	yes	yes	option	option
Switch off behaviour breaker	B-characteristic	B-characteristic	B-characteristic	n.a.	n.a.
Efficiency	>93%	>93%	>93%	>93%	>93%
GENERAL SPECS					
Power	3500 W (up to 4 units parallel = 14 kW)	7000 W	3500 W	3500 W	4500 W
Technology	high frequency	high frequency	torroidal	E-core	E-core
Dimensions, hxxwx d	340 x 261 x 144 mm 13.4 x 10.3 x 5.7 inch	340 x 261 x 250 mm 13.4 x 10.3 x 9.8 inch	407 x 295 x 220 mm 16 x 11.6 x 8.7 inch	330 x 200 x 185 mm 13 x 7.9 x 7.3 inch	330 x 240 x 185 mm 13 x 9.4 x 7.3 inch
Weight	6 kg / 13.2 lb	10 kg / 22 lb	23 kg / 50.7 lb	30 kg / 66.1 lb	53 kg / 77.2 lb
Ambient temperature	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C
Switch off at	80 °C	80 °C	120 °C	n.a.	n.a.
Cooling	variofan	variofan	natural cooling, forced cooling > 80 °C	natural cooling	natural cooling
Operating humidity	max. 95%	max. 95%	max. 95%	max. 95%	max. 95%
Protection degree	IP23	IP23	IP23	IP00	IP00
MasterBus compatible	yes	yes	no	no	no
OPTIONS	 MasterView Easy 77010305	option	option	n.a.	n.a.
	 Soft Start 13 kW 55003300	included	included	included	option
	 Soft Start 22 kW 55003400	included	included	included	n.a.

Specifications Transfer systems with Soft Start and automatic detection of the input voltage

					
	6 kVA	9 kVA	13 kVA	Soft Start 13 kVA	Soft Start 22 kVA
Product code	55010600	55010900	55011300	55003300	55003400
Voltage	120/230 V	120/230 V	120/230 V	230 V	230 V
Power	6 kW	9 kW	13 kW	2.5-13 kW	13-22 kW
Max. input current	60 A at 120 V 30 A at 230 V	80 A at 120 V 40 A at 230 V	130 A at 120 V 70 A at 230 V	n.a.	n.a.
Dimensions, hxxwx d	400 x 300 x 210 mm 15.7 x 11.8 x 8.3 inch	400 x 300 x 210 mm 15.7 x 11.8 x 8.3 inch	400 x 300 x 210 mm 15.7 x 11.8 x 8.3 inch	200 x 180 x 115 mm 7.9 x 7.1 x 4.5 inch	200 x 180 x 115 mm 7.9 x 7.1 x 4.5 inch
Weight	12 kg / 26.5 lb	12.5 kg / 27.6 lb	13 kg / 28.7 lb	1.2 kg / 2.6 lb	1.5 kg / 3.3 lb

					
IVET 6	IVET 8	IVET 10**	IVET 13	IVET 18	IVET 22
8500060	85000800	85001000	85001300	85001800	85002200
110/220/240 V	110/220/240 V	110/220/240 V	110/220/240 V	110/220/240 V	110/220/240 V
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
26 A	35 A	44 A	57 A	78 A	96 A
<10 W	<10 W	<10 W	<10 W	<10 W	<10 W
no	no	no	no	no	no
120/220/240 V, ± 5%	120/220/240 V, ± 5%	120/220/240 V, ± 5%	120/220/240 V, ± 5%	120/220/240 V, ± 5%	120/220/240 V, ± 5%
45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz	45-65 Hz
option	option	option	option	option	option
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
>93%	>93%	>93%	>93%	>93%	>93%
6000 W	8000 W	10 kW	13 kW	18 kW	22 kW
E-core	E-core	E-core	E-core	E-core	E-core
380 x 240 x 215 mm 15 x 9.5 x 8.5 inch	430 x 280 x 210 mm 16.9 x 11 x 8.3 inch	430 x 280 x 240 mm 16.9 x 11 x 9.5 inch	490 x 320 x 230 mm 19.3 x 12.6 x 9 inch	490 x 320 x 260 mm 19.3 x 12.6 x 10.2 inch	490 x 320 x 290 mm 19.3 x 12.6 x 11.4 inch
49 kg / 108 lb	59 kg / 130 lb	75 kg / 165.4 lb	90 kg / 198.4 lb	110 kg / 242.5 lb	130 kg / 286.6 lb
0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C	0-40 °C, derating power > 40 °C
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
natural cooling	natural cooling	natural cooling	natural cooling	natural cooling	natural cooling
max. 95%	max. 95%	max. 95%	max. 95%	max. 95%	max. 95%
IP00	IP00	IP00	IP00	IP00	IP00
no	no	no	no	no	no
n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
option	option	option	option	n.a.	n.a.
n.a.	n.a.	n.a.	option	option	option

* Also available in 2.5 kW version, product code 85000250.

** Also available in cabinet, product code 86001000.

Automatically adjust grid power to the onboard system

Mastervolt supplies three automatic switching systems for capacities of 6, 9 and 13 kW that - combined with an IVET transformer - adjust grid power to the onboard system. As a result, a 230V/50Hz system can easily function with an American or Caribbean AC connection. Do ensure that the frequency on board (50 or 60 Hz) is the same as the frequency of the incoming current.

