



RoMan Manufacturing Inc. Inverter Power Supplies. Inverter Power Supplies are also known as Mid Frequency DC power supplies (MFDC) and High Frequency DC power supplies (HFDC).

With the partnership of the American company RoMan Manufacturing Inc. Shanghai Medar provides world class welding transformers and power supplies that meet or exceed the quality and service that the market demands. RoMan provides a strong technical foundation for your resistance welding equipment with world class transformers and power supplies.

This catalog lists primary voltages and frequencies for a 380 Volt 50 Hz power system (500 Volt 1000 Hz output of the inverter control). Other power system voltages are available upon request.



Model	Primary		KVA 50%	KVA 20%	Secondary Voltage	
	Voltage	Freq			Tap 1	Tap 2
TDC-5618	500 V	1000 Hz	100	158	9.0V	-

Turns Ratio		Water Flow L/Min	Physical Drawing	Rating Curve	ECTC Amps	Weight KG
Tap 1	Tap 2					
55:1	-	7.5	5618-1	RC-5618	7856	20



Model	Primary		KVA	KVA	Secondary Voltage	
	Voltage	Freq	50%	20%	Tap 1	Tap 2
TDC-5543	500 V	1000 Hz	40	63	4.3V	8.6V

Turns Ratio		Water Flow	Physical Drawing	Rating Curve	ECTC	Weight
Tap 1	Tap 2	L/Min			Amps	KG
116:1	58:1	3.8	5543-1	RC-5543	3288	23



Model	Primary		KVA	KVA	Secondary Voltage	
	Voltage	Freq	50%	20%	Tap 1	Tap 2
TDC-5544	500 V	1000 Hz	85	134	8.9V	9.6V

Turns Ratio		Water Flow	Physical Drawing	Rating Curve	ECTC	Weight
Tap 1	Tap 2	L/Min			Amps	KG
56:1	52:1	7.6	5544-1	RC-5544	6260	26.5



Model	Primary		KVA	KVA	Secondary Voltage	
	Voltage	Freq	50%	20%	Tap 1	Tap 2
TDC-5545	500 V	1000 Hz	140	221	9.0V	13.1V

Turns Ratio		Water Flow	Physical Drawing	Rating Curve	ECTC	Weight
Tap 1	Tap 2	L/Min			Amps	KG
55:1	38:1	7.6	5545-1	RC-5545	7556	32



Model	Primary		KVA	KVA	Secondary Voltage	
	Voltage	Freq			50%	20%
TDC-5441	500 V	1000 Hz	170	269	10.0V	13.1V

Turns Ratio		Water Flow	Physical Drawing	Rating Curve	ECTC	Weight
Tap 1	Tap 2	L/Min				
50:1	38:1	15.2	5441-1	RC-5441	9176	45.5



Model	Primary		KVA	KVA	Secondary Voltage	
	Voltage	Freq			50%	20%
TDC-5546	500 V	1000 Hz	250	395	9.0V	13.1V

Turns Ratio		Water Flow	Physical Drawing	Rating Curve	ECTC	Weight
Tap 1	Tap 2	L/Min				
55:1	38:1	15.2	5546-1	RC-5546	13494	68.2



Model	Primary		KVA	KVA	Secondary Voltage	
	Voltage	Freq			50%	20%
TDC-5547	500 V	1000 Hz	400	632	9.0V	13.1V

Turns Ratio		Water Flow	Physical Drawing	Rating Curve	ECTC	Weight
Tap 1	Tap 2	L/Min				
55:1	38:1	30.4	5547-1	RC-5547	21591	201.4