

Medium Beta RF Rack "Type G' - Power

Rack "U" No.	Device	Device Height	Device Depth [mm]	Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
FRONT 19" RAILS	47 Rack Name Plate	1U	---	---	---	---	---	---	---	---	---
	46 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	45										
	44 Filament P/S	4U	500	~10	Slide rails	1x230 VAC	1000	1K16	3G2.5 (1LNPE)	IEC 60 320-1 C20	150
	43										
	42										
	41 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	40 Solenoid #1 P/S	2U	500	16	Slide rails	3x400 VAC	6000	3K16	4G2.5 (3LPE)	Fixed Connection	350
	39										
	38 Solenoid #1 P/S	2U	500	16	Slide rails	3x400 VAC	6000	3K16	4G2.5 (3LPE)	Fixed Connection	350
	37										
	36 2U Blank Panel	2U	---	---	---	---	---	---	---	---	---
	35										
	34 Ion Pump Controllers (2 units) with Rack Mounting Shelf	2U	350	~10	Slide rails	1x230 VAC	100	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	40
	33										
	32 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	31										
	30 Driver Amplifier	2U	600	15	Slide rails	1x230 VAC	800	1D16	3G2.5 (1LNPE)	IEC 60 320-1 C14	525
	29										
	28 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	27										
	26 Circulator TCU	3U	300	~5	Slide rails	1x230 VAC	500	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
	25										
	24 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	23										
	22 Arc Detectors (ARC4)	3U	300	~5	Slide rails	1x230 VAC	200	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
	21										
	20 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	19										
	18 Arc Detectors (MIS) #1	3U	150	~2	---	24 VDC	---	---	---	---	---
	17										
	16 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	15										
	14 Arc Detectors (MIS) #2	3U	150	~2	---	24 VDC	---	---	---	---	---
	13										
	12 1U Blank Panel	1U	---	---	---	---	---	---	---	---	---
	11										
	10 3U Blank Panel	3U	---	---	---	---	---	---	---	---	---
	9										
	8 Patch Panel	1U	---	---	---	---	---	---	---	---	---
	7										
	6 3U Blank Panel	3U	---	---	---	---	---	---	---	---	---
	5										
	4 AC Power Distribution Unit	4U									
	3										
	2										
	1 PDU Support Rails	1U	---	---	---	---	---	---	---	---	---

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Rack "U" No.	Device	Device Height	Device Depth [mm]	Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
REAR 19" RAILS	47 Network Patch Panel (12 pos.)	1U	200	---	---	---	---	---	---	---	---
	46										
	45										
	44										
	43										
	42										
	41										
	40										
	39										
	38										
	37										
	36										
	35										
	34										
	33										
	32										
	31 Directional Couplers	4U	---	---	---	---	---	---	---	---	---
	30										
	29										
	28										
	27										
	26										
	25										
	24										
	23										
	22										
	21										
	20										
	19										
	18										
	17										
	16										
	15										
	14										
	13										
	12										
	11										
	10										
	9										
	8										
	7										
	6 Power Socket Strip	1U	50	~1	---	1x230 VAC	---	1C10	3G1.5 (1LNPE)	Fixed Connection	---
	5										
	4										
	3										
	2										
	1										

AC Power Distribution	PDU Pos.#	Device	PDU Circuit Breaker	PDU Panel-mount Rear Connection	Device Cable		
					Type	Start Connector	End Connector
	1	PDU Main Switch	---	---	---	---	---
	2						
	3						
	4	Solenoid #1 P/S	3K16	Harting Han Q5 Socket	4G2.5 (3LPE)	Harting Han Q5 Plug	No Connector
	5						
	6						
	7	Solenoid #2 P/S	3K16	Harting Han Q5 Socket	4G2.5 (3LPE)	harting Han Q5 Plug	No Connector
	8						
	9						
	10	Spare	3K16	Harting Han Q5 Socket	---	---	---
	11						
	12						
	13	Filament P/S	1K16	IEC 60 320-1 C19	3G2.5 (1LNPE)	IEC 60 320-1 C20	IEC 60 320-1 C19
	14	Driver Amplifier	1D16	IEC 60 320-1 C13	3G2.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	15	Circulator TCU	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	16	Arc Detectors (ARC4)	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	17	Ion Pump Controller 1	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	18	Ion Pump Controller 2	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	19	Spare	1C10	IEC 60 320-1 C13	---	---	---
	20	Spare	1C6	IEC 60 320-1 C13	---	---	---
21	---	---	---	---	---	---	
22	Power Socket Strip	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	---	

Medium Beta RF Rack "Type E" - Monitoring
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AC Power Distribution	PDU Pos.#	Device	PDU Circuit Breaker	PDU Panel-mount Rear Connection	Device Cable		
					Type	Start Connector	End Connector
	1	PDU Main Switch	---	---	---	---	---
	2						
	3						
	4	DC Power Supply	3C6	Harting Han Q5 Socket	4G1.5 (3LPE)	Harting Han Q5 Plug	Fixed Connection
	5						
	6						
	7	Spare	3C6	Harting Han Q5 Socket	---	---	---
	8						
	9						
	10	T&M 1	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	11	T&M 2-1	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	12	T&M 2-2	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	13	T&M 3	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	14	Industrial PC	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	15	PRL Controls	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	16	Operating Panel	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
	17	Spare	1C10	IEC 60 320-1 C13	---	---	---
	18	Spare	1C6	IEC 60 320-1 C13	---	---	---
19	---	---	---	---	---	---	
20	---	---	---	---	---	---	
21	---	---	---	---	---	---	
22	Power Socket Strip	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	---	

Rack "U" No.	Device	Device Height	Device Depth [mm]	Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
FRONT 19" RAILS	47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1	Rack Name Plate	1U	---	---	---	---	---	---	---	---
	Stepper Motor Controller	3U	300	~5	---	1x230 VAC	500	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	100
	Piezo Power Supply	2U	300	~2	---	1x230 VAC	200	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	50
	PIN Diode & E-Pick Up	1U	200	~2	---	24 VDC	---	---	---	---	---
	PSS Relay	1U	200	~2	Slide rails	---	---	---	---	---	---
	Micro TCA	9U	400	~8	Slide rails	1x230 VAC 1x230 VAC	1000 1000	1C10 1C10	3G1.5 (1LNPE) 3G1.5 (1LNPE)	IEC 60 320-1 C14 IEC 60 320-1 C14	400
	Analog Signal Conditioning	2U	~300	~2	Slide rails	24 VDC	---	---	---	---	12
	Digital Signal Conditioning	2U	~300	~2	Slide rails	24 VDC	---	---	---	---	12
	SIM	15U	520	~20	Slide rails	1x230 VAC	500	1C6	3G1.5 (1LNPE)	IEC 60 320-1 C14	100
	3U Blank Panel	3U	---	---	---	---	---	---	---	---	---
	3U Blank Panel	3U	---	---	---	---	---	---	---	---	---
	AC Power Distribution Unit	4U									
	PDU Support Rails	1U	---	---	---	---	---	---	---	---	---

Rack "U" No.	Device	Device Height	Device Depth [mm]	Device Weight [kg]	Mounting Supports	Power Type	Power Rating [VA]	PDU MCB	Supply Cable	Device Power Connection	Dissipation [W]
REAR 19" RAILS	47	Network Patch Panel (6 pos.)	1U	200	---	---	---	---	---	---	---
	46										
	45	Step. Motor Junction Box	1U	200	~2	---	---	---	---	---	---
	44										
	43	Piezo Junction Box	1U	200	~2	---	---	---	---	---	---
	42										
	41	RF Splitter Box	1U	200	~2	---	---	---	---	---	---
	40										
	39										
	38										
	37										
	36										
	35										
	34										
	33										
	32										
	31										
	30										
	29										
	28										
	27										
	26										
	25										
	24										
	23										
	22										
	21										
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19											
18											
17											
16											
15											
14											
13											
12											
11											
10											
9	24 V, 10 A DC Power Supply and Distribution	4U	200	~3	Mounting Panel	3x400 VAC	260	3C6	4G1.5 (3LPE)	Fixed Connection	20
8											
7											
6	Power Socket Strip	1U	50	~1	---	1x230 VAC	---	1C10	3G1.5 (1LNPE)	Fixed Connection	---
5											
4											
3											
2											
1											

	PDU Pos.#	Device	PDU Circuit Breaker	PDU Panel-mount Rear Connection	Device Cable		
					Type	Start Connector	End Connector
AC Power Distribution	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	PDU Main Switch	---	---	---	---	---
		DC Power Supply	3C6	Harting Han Q5 Socket	4G1.5 (3LPE)	Harting Han Q5 Plug	No Connector
		Spare	3C6	Harting Han Q5 Socket	---	---	---
		Micro TCA (1)	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
		Micro TCA (2)	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
		SIM	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
		Stepper Motor Controller	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
		Piezo Power Supply	1C6	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	IEC 60 320-1 C13
		Spare	1D16	IEC 60 320-1 C13	---	---	---
		Spare	1C6	IEC 60 320-1 C13	---	---	---
		Spare	1C6	IEC 60 320-1 C13	---	---	---
		Spare	1C6	IEC 60 320-1 C13	---	---	---
		---	---	---	---	---	---
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		---	---	---	---	---	---
		Power Socket Strip	1C10	IEC 60 320-1 C13	3G1.5 (1LNPE)	IEC 60 320-1 C14	---