ECHO Magnet Services B.V.

TRANSFORMING MRI RAMP OPERATIONS

VOYAGER

Experience the power of Voyager and discover how it can elevate your operations to the next level.

WHY CHOOSE VOYAGER?

Voyager significantly cuts ramp operation time, costs, and errors, offering unmatched reliability for MRI service providers. Its advanced capabilities ensure faster system readiness, reduced downtime, and improved workflow efficiency–giving your business a distinct competitive edge. Whether managing routine ramp operations or addressing complex challenges, Voyager is the ultimate tool to enhance your MRI services.

VOYAGER

Efficiency, Precision, and Flexibility

Voyager represents a breakthrough in MRI magnet ramping, revolutionizing the process with advanced features designed for efficiency, precision, and flexibility.

Siemens, Philips, GE, and Canon

As the first universal power supply compatible with major MRI brands like Siemens, Philips, GE, and Canon, Voyager streamlines operations by consolidating ramp tools into a single, versatile device.

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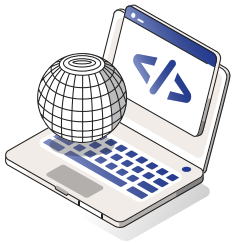
Key Features

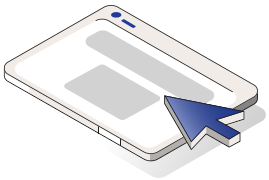
1



Universal Compatibility

A one-for-all power supply compatible with diverse MRI systems, simplifying logistics and saving costs.

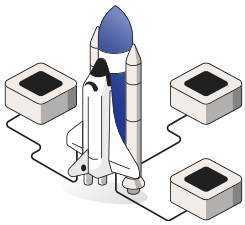
2



Efficiency Redefined

With its built-in accelerator, Voyager reduces ramp-down times and minimizes helium loss, ensuring fast and cost-effective operations.

3



Automation & Remote Control

Voyager's automated mode follows preloaded ramp profiles and enables remote operation, reducing the need for on-site expertise. Diagnostics and online training features further improve usability.

4

Future-Ready Design

Fully programmable and upgradeable, Voyager adapts to next-generation magnets with simple software updates, securing your investment for the future

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Kit Includes

PART	QTY	OEM
Voyager Main Unit	1	Common
Transportation Test Plug	1	Common
Positive Ramp Cables	2	Common
Negative Ramp Cables	2	Common
M6 Pressure Sense Hose	1	Common
380 VAC, 16A, 3 Phase Power Cable	1	Common
200VAC to 380VACVAC Step Up Transformer	1	GE
GE Std Heater Cable	1	GE
GE Direct Heater Cable	1	GE
GE HM /UA/PM Magnet Heater Cable	1	GE
GE Lead Voltage Sense Cable	1	GE
GE Rigid Ramp Probes	2	GE
GE Ramp Probe Valve	2	GE
GE Hold Down Tool R/HM	1	GE
GE 200VAC,32A Power Cable	1	GE
Philips Flex Ramp Lead	2	Philips
Philips Flex Ramp Lead Elbow	2	Philips
Philips Rigid Ramp Lead (optional)	2	Philips
Philips Heater Cable	1	Philips
Philips Lead Voltage Sense Cable	1	Philips
P3 to Grey Andersen Converter	1	Siemens/Canon
P3 to Blue Andersen Converter	1	Siemens/Canon
Andersen Blue to Gray Converter	1	Siemens/Canon
Amira Andersen Converters	1	Siemens
Siemens Std Heater Cable	1	Siemens/Canon
Axess60 Heater Cable	1	Siemens
OR70 Heater Cable	1	Siemens
Siemens Lead Voltage Sense Cable	1	Siemens
OR122 Z2 Heater Power Supply	1	Siemens
OR122 Z2 Heater Cable	1	Siemens
OR122 Z2 Heater Power Supply Power Cable	1	Siemens
Siemens Power Cable Converter	1	Siemens
OR76 Heater Cable	1	Canon
TN150 Heater Cable	1	Canon

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Compatibility List

Siemens Magnet Type	Philips Magnet Type	GE Magnet Type	Canon Magnet Type
OR60	Flint 1.0T	SIV / SV Fixed	TN150
OR70	Flint 1.5T	LCC YR Series	OR76
OR92	HFO 1.0T	LCC R/RA Mobile	OR97
OR93	Zebra 1.5T	LCC R/RA Fixed	OR200
OR97	F2000	LCC RD Series	
OR98	Ludwig 1.5T	MR450 LCC R	
OR99	Rex XR 1.5T	MR450w HM	
OR103	Rex 3.0T	MR750w UA	
OR105	Mozart 3.0T	LCC300 W/WB	
OR122	Gecko 1.5T	Platform	
OR124		Platform (PM)	
		Ares (AR)	

Specification List

Input Voltage / freq	-	280VAC or 400VAC (50/60Hz)
No of Phase	-	3 Phase + N + Protective Ground
Dropout voltage	V	175V / 355V
Input current	A	16A max
Power factor	-	0.88 Passive
Leakage current	mA	3.5 max
Input protection	-	Circuit Braker
Phase Imbalance	%	<%5 on Three Phase Input
Max. line regulation c.v	-	0.1% of FS from Io min. to Io max
Max. line regulation c.c	-	0.1% of FS from Vo min. to Vo max
Max. load regulation c.v	-	0.1% of FS from Io min. to Io max
Max. load regulation c.c	-	0.1% of FS from Vo min. to Vo max
Temp. drift c.v	-	+/-0.05% of Full Scale over 9 hours after 30 min. warm up. Constant line, load and temperature.
Temp. drift c.c	-	+/-0.05% of Full Scale over 9 hours after 30 min. warm up. Constant line, load and temperature.
Stability c.v	PPM/C	200 (0.02% Full Scale)/Degree C
Stability c.c	PPM/C	200 (0.03% Full Scale)/Degree C
Output noise p-p c.v	mV	60
Ripple r.m.s. c.v	mV	20
Ripple 10kW c.c	mA	%0.5
OCP	%	0-100
OCP Type	-	Constant current
Short circuit protection	-	Yes
Foldback protection	-	Output shut down
OVP Type	-	Inverter shut down
OVP trip point	V	0.05 x Rated Output Voltage
Over temp. protection	-	Shut down when internal temperature exceeds safe operating levels.
Phase Loss Protection	-	Yes
Cooling		Fan driven, air from Front to Rear
Weight	Kg	160
Dimensions (mm)	W x D x H	580 x 1000 x 950

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