SOURCE CHANGEOVER SWITCHES

Product Catalog for Devices that Ensures Power Reliability.



ENERGY IS EVERYTHING.

And we help you manage it.



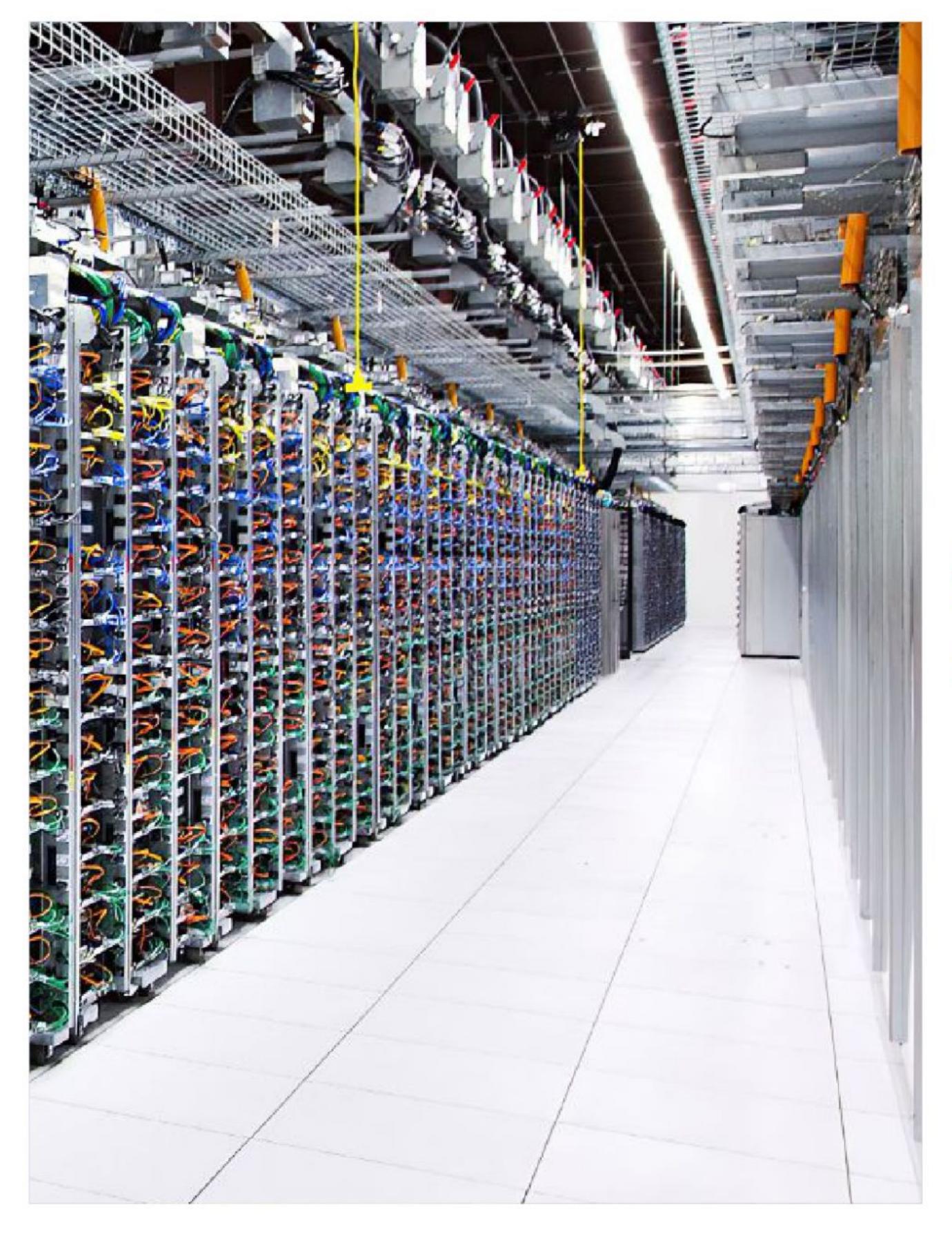












AUTOMATIC TRANSFER SWITCHES

The microprocessor-based ATS with in-built AMF controller provides advanced monitoring and control capabilities, allowing for precise and automated switching between the main power source and backup generator. This ensures a seamless transition of power during a power outage, minimizing downtime and protecting equipment from damage. The ATS with an inbuilt microprocessor-based AMF controller also allows for remote monitoring and control, which can be useful for monitoring power usage, diagnosing problems, and scheduling maintenance. Additionally, it can provide a detailed history of power events, which can be useful for troubleshooting and identifying patterns of power usage. All these features, coupled with the AMF function, will be beneficial for the smooth running of the manufacturing plant.

ADVANCED MONITORING AND CONTROL.

PRECISE AUTOMATED SWITCHING.

Meets Standards IEC-60947-6-1 (TSE)

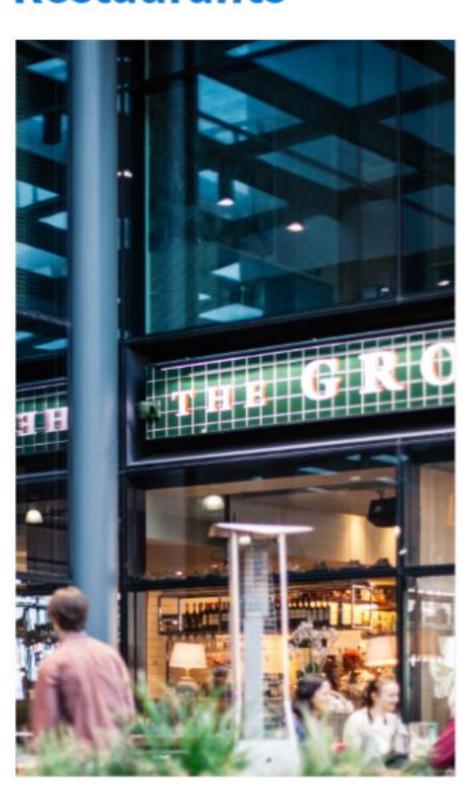
SEAMLESS TRANSITION OF POWER DURING OUTAGE. BENEFICIAL FOR SMOOTH RUNNING FOR OPERATIONS.

Residential



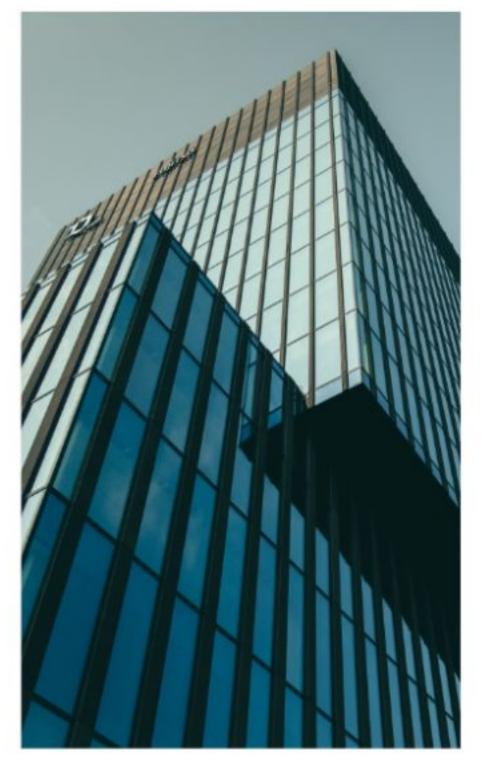
In a residential setting, power outages can be disruptive to systems such as heating, cooling, and security systems, and can cause inconvenience. ATS can help to minimize these risks by providing an uninterrupted power supply, and ensure the safety and comfort of the residents.

Restaurants



ATS ensures that important systems such as refrigeration and lighting, remain operational, minimizing disruption to the restaurant's operations, preserving food safety and making sure the customers have a lovely experience. Additionally, the ATS can also improve overall efficiency by automatically switching back to the primary power source eliminating the need for manual intervention.

Banking/Financial Institutions



In the banking industry, where even a few minutes of downtime can cause significant financial losses. ATS can ensures that systems such as ATM machines, servers, and data centers, remain operational during a power outage, minimizing disruption to banking operations and preserving data integrity. The use of ATS can be an essential component in maintaining business continuity and customer trust.

Educational Institutions



In the case of educational institutions, ATS can help to ensure that major systems that support technology-based learning such as servers, internet connections, and labs for experiential learning remain operational. Moreover, during a power outage, the ability to maintain lighting and heating systems, allows students and staff to remain safe and comfortable.

Protect your mission-critical facilities from power uncertainties.

Universal LCD Series







Remote Display Unit

Experience ultimate flexibility with the **Universal Model with multiple options**, offering seamless **N R Y B** or **R Y B N** Pole interchangeability and the versatility to configure the ATS as either Incoming from Top or Bottom, adapting effortlessly to site-specific requirements.

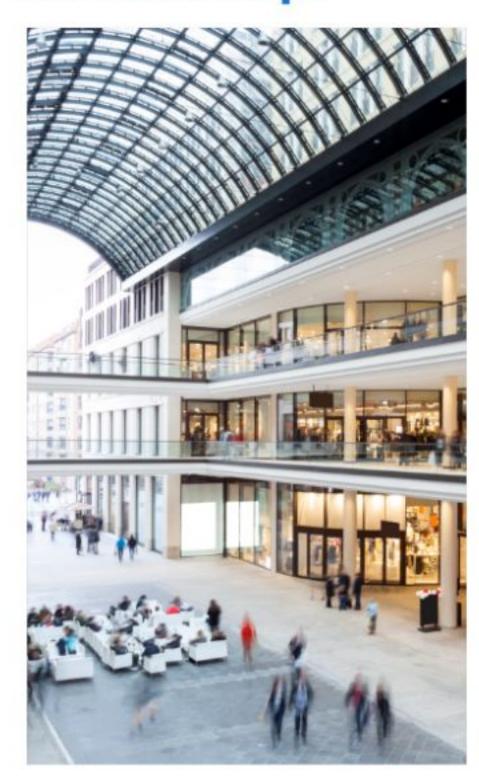
- Inbuilt Micro-processor based AMF controller.
- Automatic DG Start/Stop operation during main's failure.
- AC-32B Utilization category as per IEC 60947-6-1.
- PC-class ATS with breaker coordination.
- 3 operational position (Source 1, Center off, Source 2).
- Monitors V, A, F, PF, kW, kWh,
 ON hours & Load hours.

- Incomer level self monitoring and protection against under/over voltage, frequency, phase sequence and optional over load tripping logic.
- Systematic with time delays to prelong the stability of power source during automatic switching of sources in the case of blackout or loss of power.
- Dual contact design extinguishes the arc effectively.
- Fire fighting DG Start/Stop logic.

- Mode of operation Auto/Manual/ RS-485 Communication
- Free 12 months IoT cloud connectivity for Wifi option
- Plugable RS485 communication (Optional)
- Optional Wi-Fi communication
- Remote monitoring / Controlling / Configuration through Cloud
- Easy to replace the plugable card without removing the ATS from Bus bar
- RDU 50 can be used to operate the ATS without opening the panel

Ensuring a seamless transition of power during a power outage.

Commercial Malls / Retails Shops



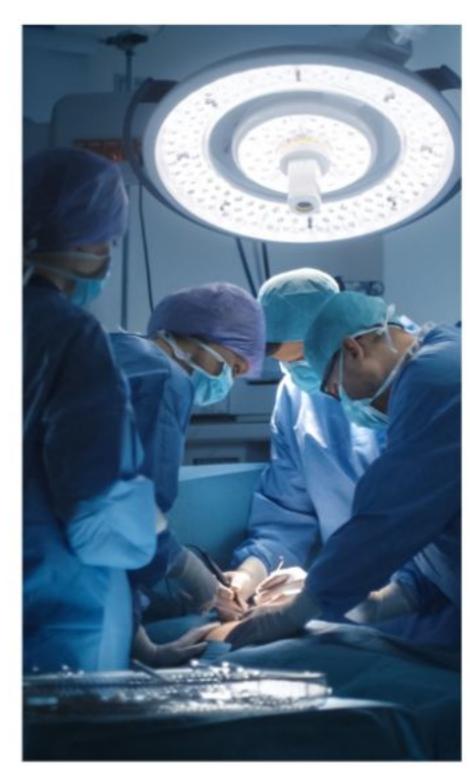
A retail mall requires constant power supply for its various functions like lighting, HVAC, escalators, elevators, security systems, and many more, so having an advanced control system like this can ensure that there is no interruption in the power supply, which in turn will help in providing a comfortable and safe environment for the visitors, and also help in maintaining the image of the mall as a reliable and safe destination.

Industries



ATS ensures a seamless transition of power during a power outage, minimizing downtime and protecting equipment from damage.

Healthcare



ATeS can help hospitals and healthcare centers to maintain a reliable power supply to operate critical systems, such as life support equipment, during a power outage. They also reduces the risk of equipment failures, and ensure patient safety during power outages.

Transportation



In transportation systems such as railways, power failures can cause signaling systems to fail and communication systems to go down, trains to stop, all of which can lead to severe delays and even accidents. By providing an uninterrupted power supply, ATS can help minimize these risks and ensure the safe and efficient operation of the railway system. Moreover, ATS can also be used in rail yards and maintenance facilities, where they can ensure that the necessary power is always available for engines and other maintenance equipment.

High-end Micro-processor based ATS Controller

AMF inbuilt controllers in automatic transfer switches play a crucial role in ensuring a reliable, efficient, and safe power supply to critical loads during power outages, making it an indispensable component for any critical power application.

- DG Start/Stop potential free contacts
- Remote Controlling through PLC / SCADA /EMS
- Source 1 & 2 Indications output
- Fire fighting DG Start/Stop
- Optional overload tripping logic S1 & S2
- Universal Auxiliary Supply 12–24V DC
- Dual source energy monitoring



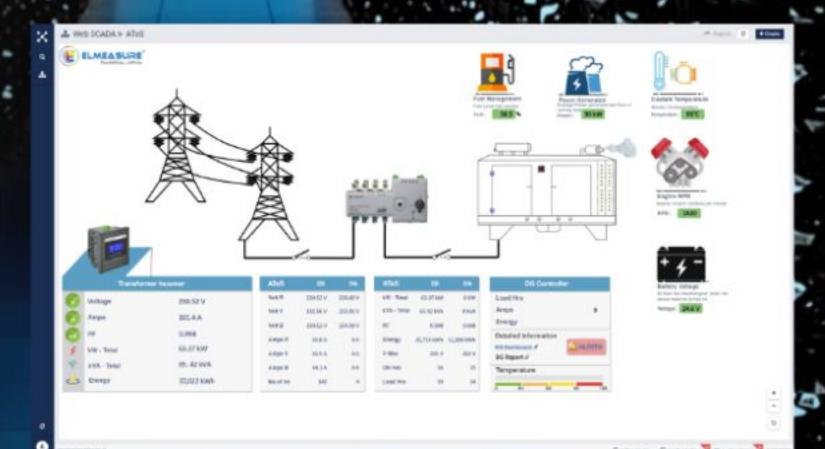
Improved Uptime: By automatically switching to the backup generator power in case of a main power failure, AMF inbuilt controllers ensure that critical loads are never left without power, which results in improved uptime.

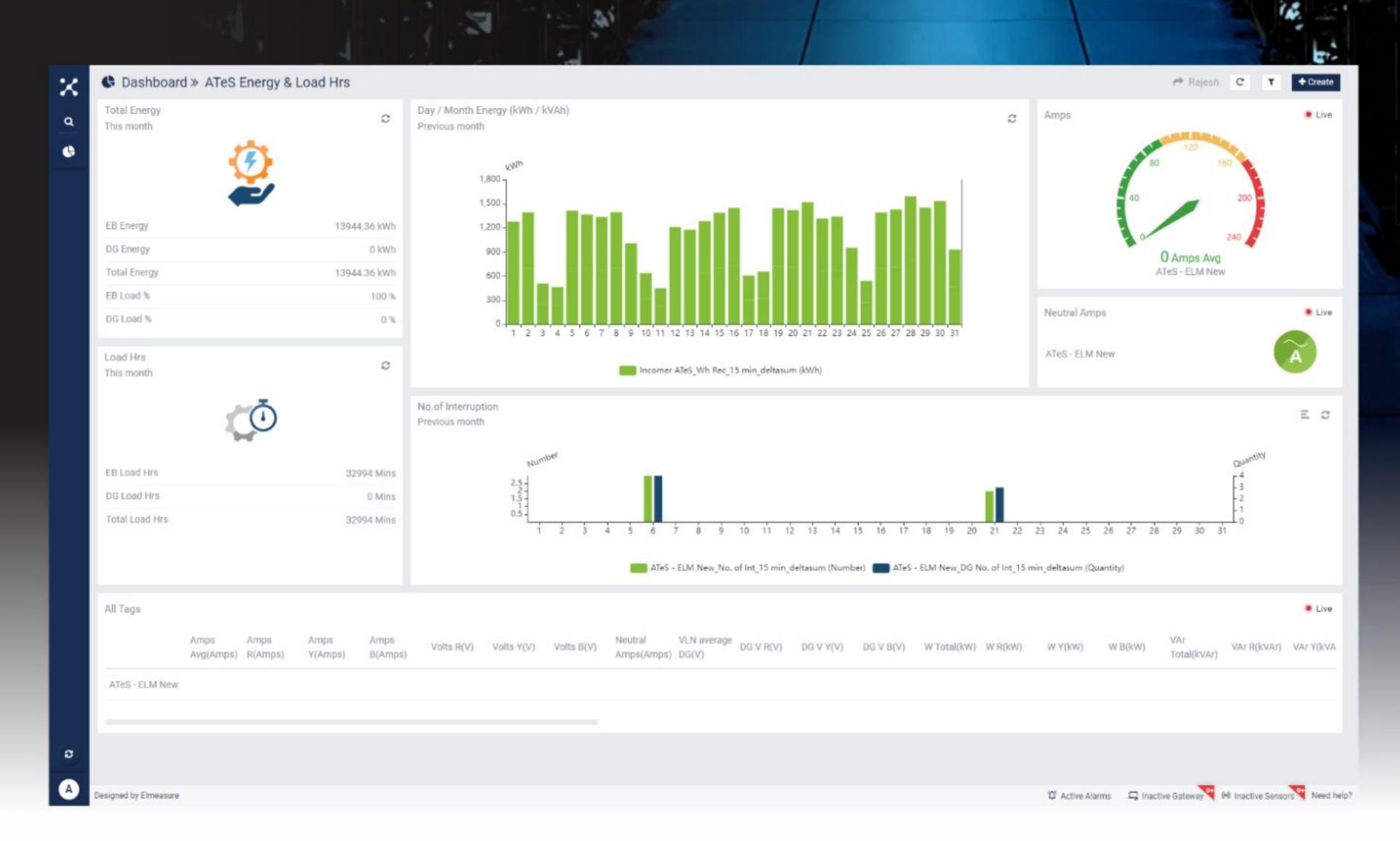
Increased Efficiency: The AMF controller automatically starts and stops the generator based on the load demand, which ensures that the generator runs only when necessary, reducing fuel consumption and increasing efficiency.

Improved Monitoring and Reporting: The AMF controller provides real-time monitoring and reporting of the power system status, mains failure and source unhealthy conditions, allowing users to take proactive measures to maintain the reliability of the power supply.



- Incomer level monitoring
- EB / DG energy consumption
- Number of interruptions
- Historical data on faults
- ON Hour / Load Hr monitoring
- Remote configuration (Voltage/frequency high/low thresholds, timers)





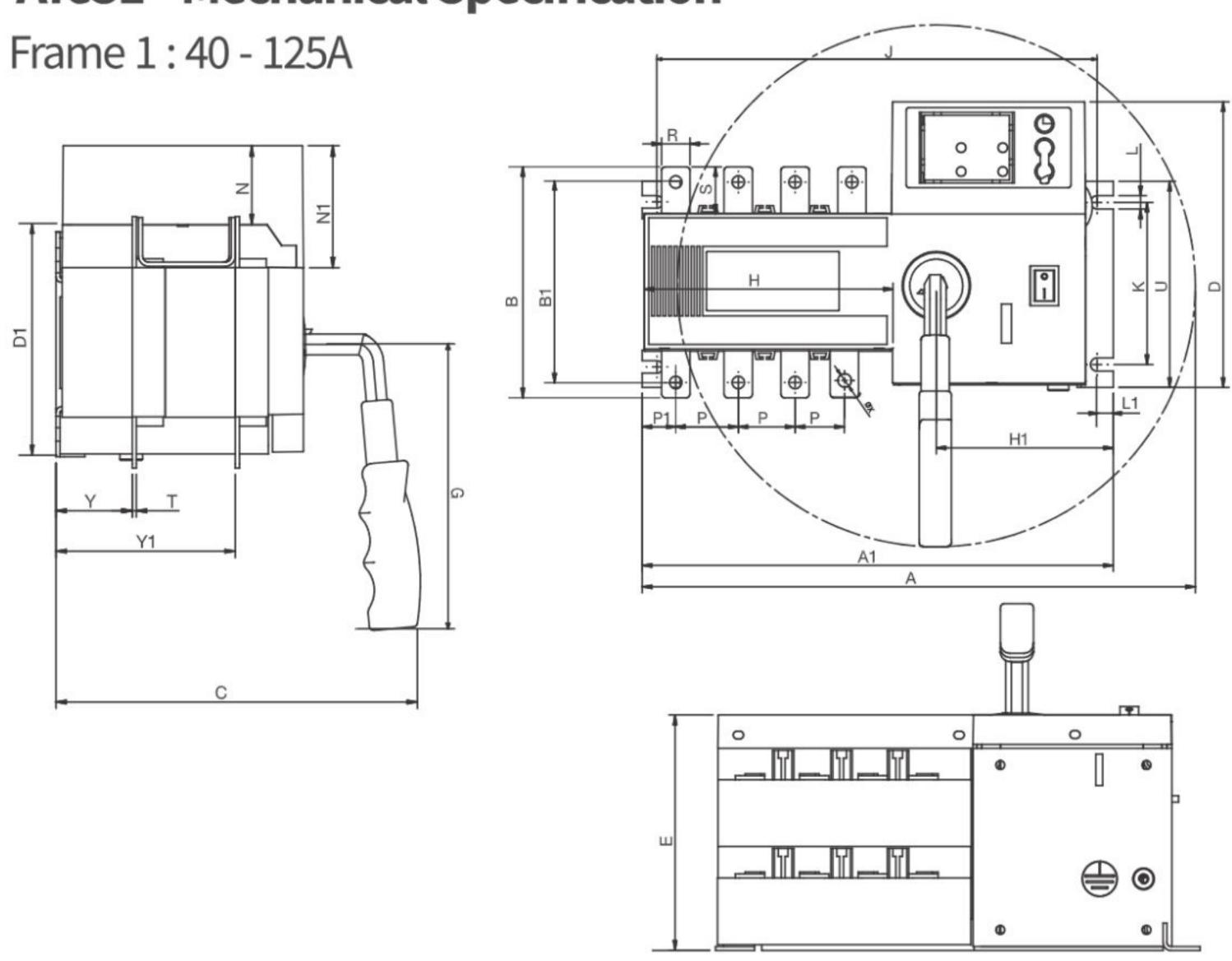
Technical Specification

Current Rating	40/63/80A	100/125A	160A	200/250A	315/400/630A
GENERAL CHARACTERISTICS	'		'	•	
No. of Poles	4				
Rated Operating Voltage	415V				
Rated Insulation Voltage (Ui) V - Power Circuit	690V				
Rated Insulation Voltage (Ui) V - Control Circuit	500V				
Rated Impulse with stand Voltage (Uimp)-Power Circuit	12kV				
Rated Impulse with stand Voltage (Uimp)-Control Circuit	4kV				
Classification/UtilizationCategory	PC Class / AC - 32B				
Rated Control Power Supply Voltage	230V / 50Hz				
Rated Short Circuit with stand current (KA, Rms) lcw (60 ms)	5 kA	7 kA	10 kA	10kA	12.5 kA
Rated Short Circuit Making Capacity (KA, Peak) Icm	10 kA	15 kA	20 kA	20 kA	25 kA
Operating Cycle	10000		8000	8000	6000
Motor Operating Voltage	220V AC (155-285V AC	C) / 50-60Hz			
Auxiliary DC Voltage	12-24V DC				
Standard / service	IEC 60947-6-1:2021	/ CB			
MEASUREMENT PARAMETERS					
Primary Source	Voltage, Frequency &	Current (Optional)			
Secondary Source	Voltage, Frequency &	Current (Optional)			
Measurements Monitored Communication		note Display - V, A, F, PF,	kW, kWh, ON Hours, Load	Hours & DG Battery Volta	age
Secondary Source Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source	In-Built Display / Ren Optional Rs485 & Wil	note Display - V, A, F, PF, 1	285V), Over Load with ext	Hours & DG Battery Volta	
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source	Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2	note Display - V, A, F, PF, Fi 210V)/Over Voltage (230-22) 210V)/Over Voltage (230-22)	285V), Over Load with ext able / disable. 285V), Over Load with ext		y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source	Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz)	note Display - V, A, F, PF, 1 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to	note Display - V, A, F, PF, Fi 210V)/Over Voltage (230-2) and Phase sequence en 210V)/Over Voltage (230-2) and Phase sequence en 600s), Transfer delay (1 t	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to	note Display - V, A, F, PF, Fi 210V)/Over Voltage (230-2) and Phase sequence en 210V)/Over Voltage (230-2) and Phase sequence en 600s), Transfer delay (1 to	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to	note Display - V, A, F, PF, Fi 210V)/Over Voltage (230-2) and Phase sequence en 210V)/Over Voltage (230-2) and Phase sequence en 600s), Transfer delay (1 to one priority II s)	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II	note Display - V, A, F, PF, Fi 210V)/Over Voltage (230-2) and Phase sequence en 210V)/Over Voltage (230-2) and Phase sequence en 600s), Transfer delay (1 to one priority II s)	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, N Source I and Source Up to 5 cycles (6-150)	note Display - V, A, F, PF, Fi 210V)/Over Voltage (230-2) and Phase sequence en 210V)/Over Voltage (230-2) and Phase sequence en 600s), Transfer delay (1 to one priority II s)	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, N Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for I Enable / Disable	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II Enable / Disable Auto / Manual / Remo	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality	Under Voltage (155-2) Frequency (50-60Hz) Under Voltage (155-2) Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II Enable / Disable Auto / Manual / Remo	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality Manual Emergency Operation	In-Built Display / Ren Optional Rs485 & Will Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, N Source I and Source Up to 5 cycles (6-150 3Phase / 1Phase for I Enable / Disable Auto / Manual / Rem I-OFF-II On Load	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality Manual Emergency Operation GENERAL CHARACTERISTIC	In-Built Display / Ren Optional Rs485 & Will Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, N Source I and Source Up to 5 cycles (6-150 3Phase / 1Phase for I Enable / Disable Auto / Manual / Rem I-OFF-II On Load	note Display - V, A, F, PF, 19 210V)/Over Voltage (230-2 and Phase sequence en 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 to one priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality Manual Emergency Operation GENERAL CHARACTERISTIC Ambient Temperature	In-Built Display / Ren Optional Rs485 & Wil Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II Enable / Disable Auto / Manual / Rem I-OFF-II On Load Available	note Display - V, A, F, PF, Pi 210V)/Over Voltage (230-2 and Phase sequence en 600s), Transfer delay (1 tone priority II s) both Sources	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality Manual Emergency Operation GENERAL CHARACTERISTIC Ambient Temperature Air Humidity	In-Built Display / Ren Optional Rs485 & Will Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II Enable / Disable Auto / Manual / Rem I-OFF-II On Load Available	note Display - V, A, F, PF, PF, PF, PF, PF, PF, PF, PF, PF,	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality Manual Emergency Operation GENERAL CHARACTERISTIC Ambient Temperature Air Humidity Altitude	In-Built Display / Ren Optional Rs485 & Will Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, N Source I and Source Up to 5 cycles (6-150 3Phase / 1Phase for I Enable / Disable Auto / Manual / Rem I-OFF-II On Load Available -20°C to 55°C Not more than 50% (6) Not more than 2000 (6)	note Display - V, A, F, PF, PF, PF, PF, PF, PF, PF, PF, PF,	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION Primary Source Secondary Source Timers Priority Selection Overload Overload Trip Cycles AC System Selection Phase Sequence MODE OF OPERATION Selection Mode Position Order Functionality Manual Emergency Operation GENERAL CHARACTERISTIC Ambient Temperature Air Humidity Altitude ELECTROMAGNETIC CHARACTER	In-Built Display / Ren Optional Rs485 & Will Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, N Source I and Source Up to 5 cycles (6-150 3Phase / 1Phase for I Enable / Disable Auto / Manual / Rem I-OFF-II On Load Available -20°C to 55°C Not more than 50% (6) Not more than 2000 (6)	note Display - V, A, F, PF, PF, PF, PF, PF, PF, PF, PF, PF,	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over
Measurements Monitored Communication PROGRAM CONFIGURATION	In-Built Display / Ren Optional Rs485 & Will Under Voltage (155-2 Frequency (50-60Hz) Under Voltage (155-2 Frequency (50-60Hz) Recovery delay (1 to Source I, Source II, No Source I and Source Up to 5 cycles (6-150) 3Phase / 1Phase for II Enable / Disable Auto / Manual / Rem I-OFF-II On Load Available -20°C to 55°C Not more than 50% (6) Not more than 2000 (8) ISTICS	note Display - V, A, F, PF, PF, PF, PF, PF, PF, PF, PF, PF,	285V), Over Load with ext able / disable. 285V), Over Load with ext able / disable.	ernal CT, Under Frequenc	y (40-48Hz)/Over y (40-48Hz)/Over

Technical Specification

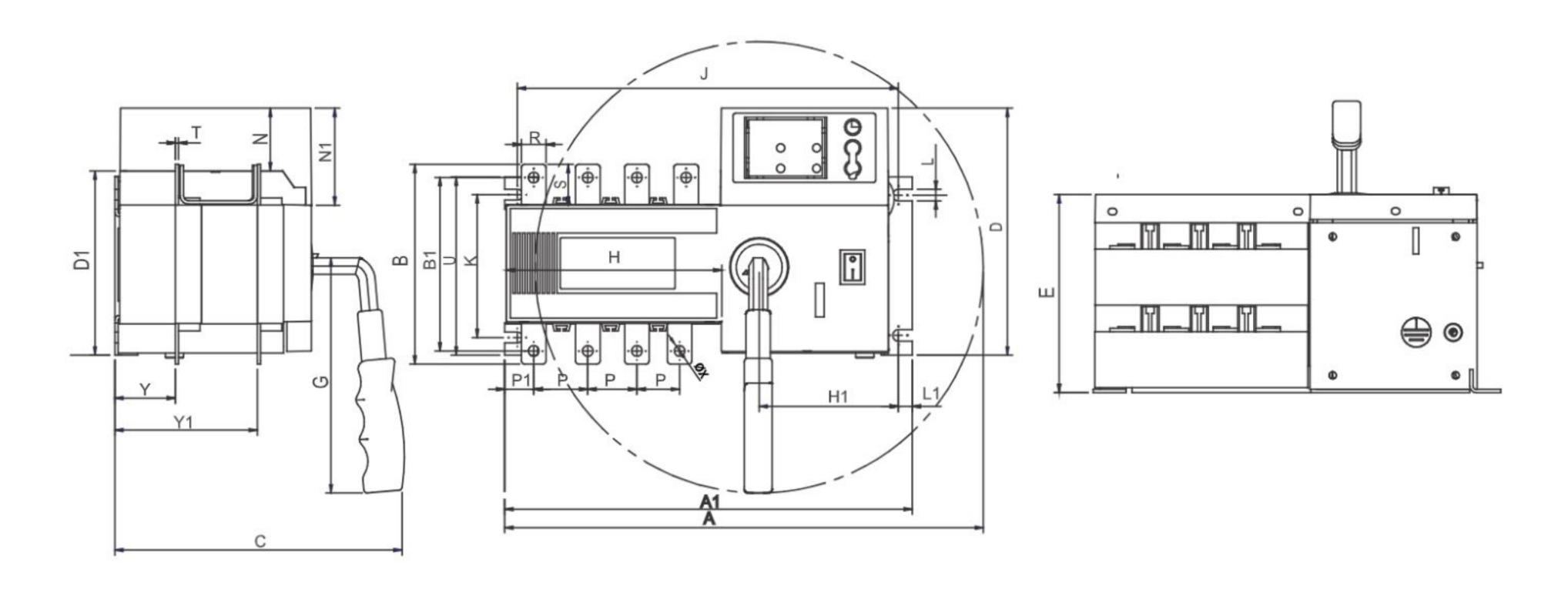
Current Rating	800A	1000A	1250A	1600A	2000A	2500A	3200A
GENERAL CHARACTERISTICS				191			
No. of Poles	4						
Rated Operating Voltage	415V						
Rated Insulation Voltage (Ui) V - Power Circuit	690V						
Rated Insulation Voltage (Ui) V - Control Circuit	500V						
Rated Impulse with stand Voltage (Uimp)-Power Circuit	12kV						
Rated Impulse with stand Voltage (Uimp)-Control Circuit	4kV						
Classification/UtilizationCategory	PC Class /	AC - 32B					
Rated Control Power Supply Voltage	230V / 50H	łz					
Rated Short Circuit with stand current (KA, Rms) lcw (60 ms)	20 kA	20 kA	25 kA	35 kA	40 kA	50 kA	65 kA
Rated Short Circuit Making Capacity (KA, Peak) lcm	40 kA	40 kA	50 kA	70 kA	80 kA	100 kA	100 kA
Operating Cycle	5000						
Motor Operating Voltage	220V AC (1	.55-285V AC) / 5	50-60Hz				
Auxiliary DC Voltage	12-24V DC						
Standard / Service	IEC 60947-	-6-1:2021/CB					
MEASUREMENT PARAMETERS							
Primary Source	Voltage, Fr	requency & Cur	rent (Optional)				
Secondary Source	Voltage, Fr	requency & Cur	rent (Optional)				
Measurements Monitored	In-Built Di	splay / Remote	Display - V, A, F	F, PF, kW, kWh, ON I	Hours, Load Hour	s & DG Battery Volt	tage
PROGRAM CONFIGURATION Primary Source				(230-285V), Over Lo		CT, Under Frequen	cy (40-48Hz)/Over
Secondary Source	Under Vol	tage (155-210V)	/Over Voltage	ce enable / disable. (230-285V), Over Lo	ad with external	CT, Under Frequen	cy (40-48Hz)/Over
Timene			•	ce enable / disable.		2 to 000s) Stop dol	ov. (10 to C00s)
Timers Driority Solostion				y (1 to 600s), Gener	ator Start delay (3 to 999s) Stop del	ay (10 to 600s)
Priority Selection		Source II, None	priority				
Overload Trip Cycles		nd Source II					
Overload Trip Cycles		cles (6-150s) .Phase for both	Sources				
AC System Selection Phase Sequence	Enable / D		Jources				
MODE OF OPERATION	Lilable / D	isable					
Selection Mode	Auto / Ma	nual / Remote					
Position Order	I-OFF-II	ridat / Remote					
Functionality	On Load						
Manual Emergency Operation	Available						
GENERAL CHARACTERISTIC	Trantable						
Ambient Temperature	-20°C to 55	5°C					
Air Humidity		than 50% @ 40	°C				
Altitude		than 2000 m					
ELECTROMAGNETIC CHARACTER	A CONTRACTOR OF THE CONTRACTOR						
Class	Class B						
Radio Frequency Transmission Test	EN55011						
Radio Frequency Radiation Transmission Test	EN55011						

ATeSL - Mechanical Specification



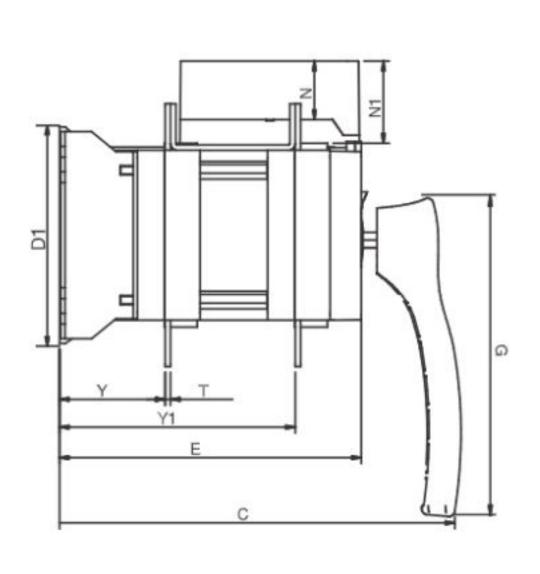
Specification			Outli	ne Size	(mm)				NO SI	М	ountin	g Size ((mm)				207		150	IV ACC		985 SC	at	00		96
AT-SI 62 125A	Α	A1	В	B1	С	D	D1	E	G	Н	H1	J	K	L	L1	N	N1	Р	P1	R	S	Т	U	ØX	Υ	Y1
ATeSL 63- 125A	292	248.7	121	105	175	149	111.6	120	174	131	93	228	85	7	8.5	38	53.2	30	18	15	24	2	108	6	37	87

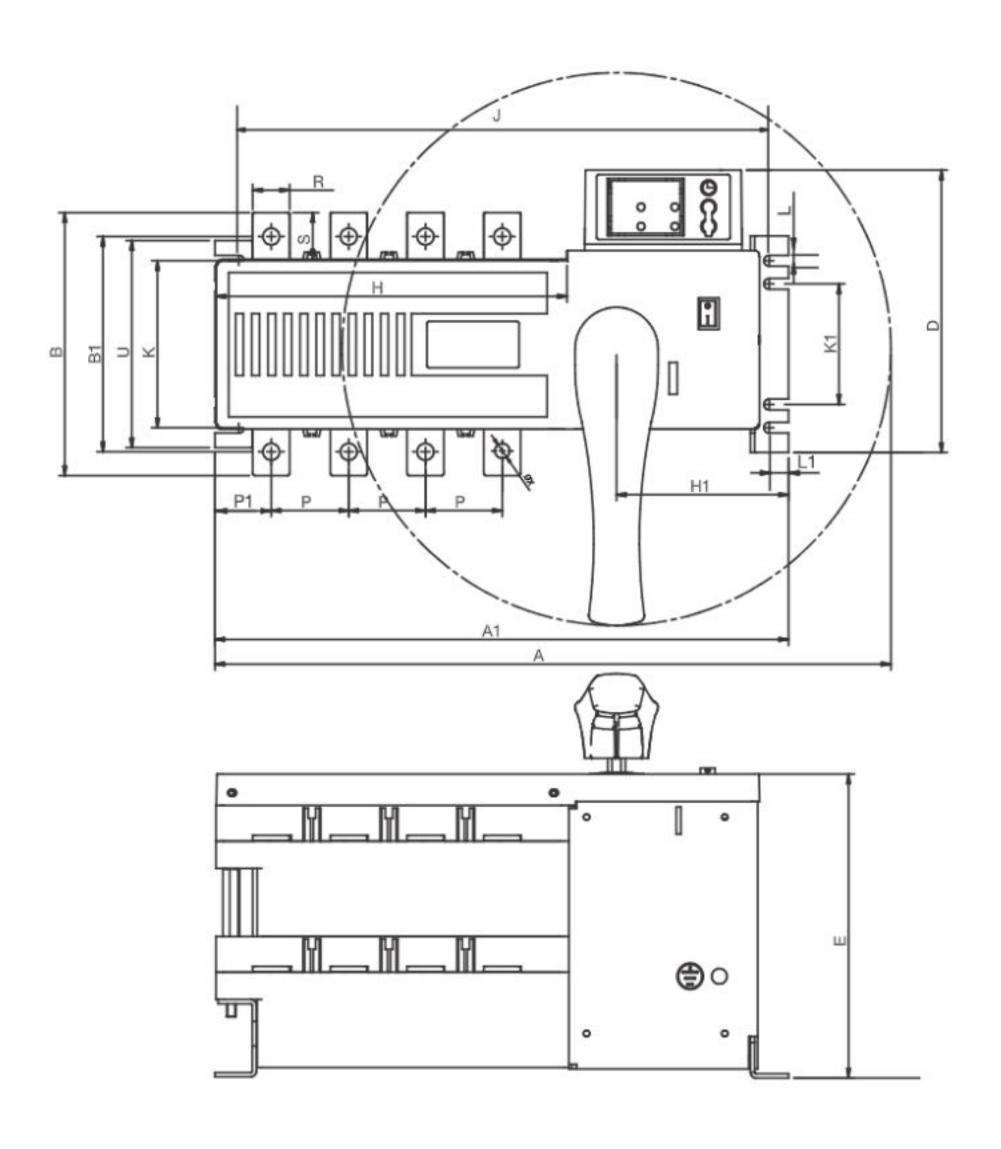
Frame 2:160A



Specification			Outli	ne Size	(mm)					М	ountin	g Size	mm)													
ATOSI 160A	Α	A1	В	B1	С	D	D1	E	G	Н	H1	J	K	L	L1	N	N1	Р	P1	R	S	T	U	ØX	Υ	Y1
ATeSL - 160A	330	302	135	105	204	149	116	163.5	174	172	90	287	85	7	8.5	38	53.2	36	18	20	24	2	127	8	55.5	125

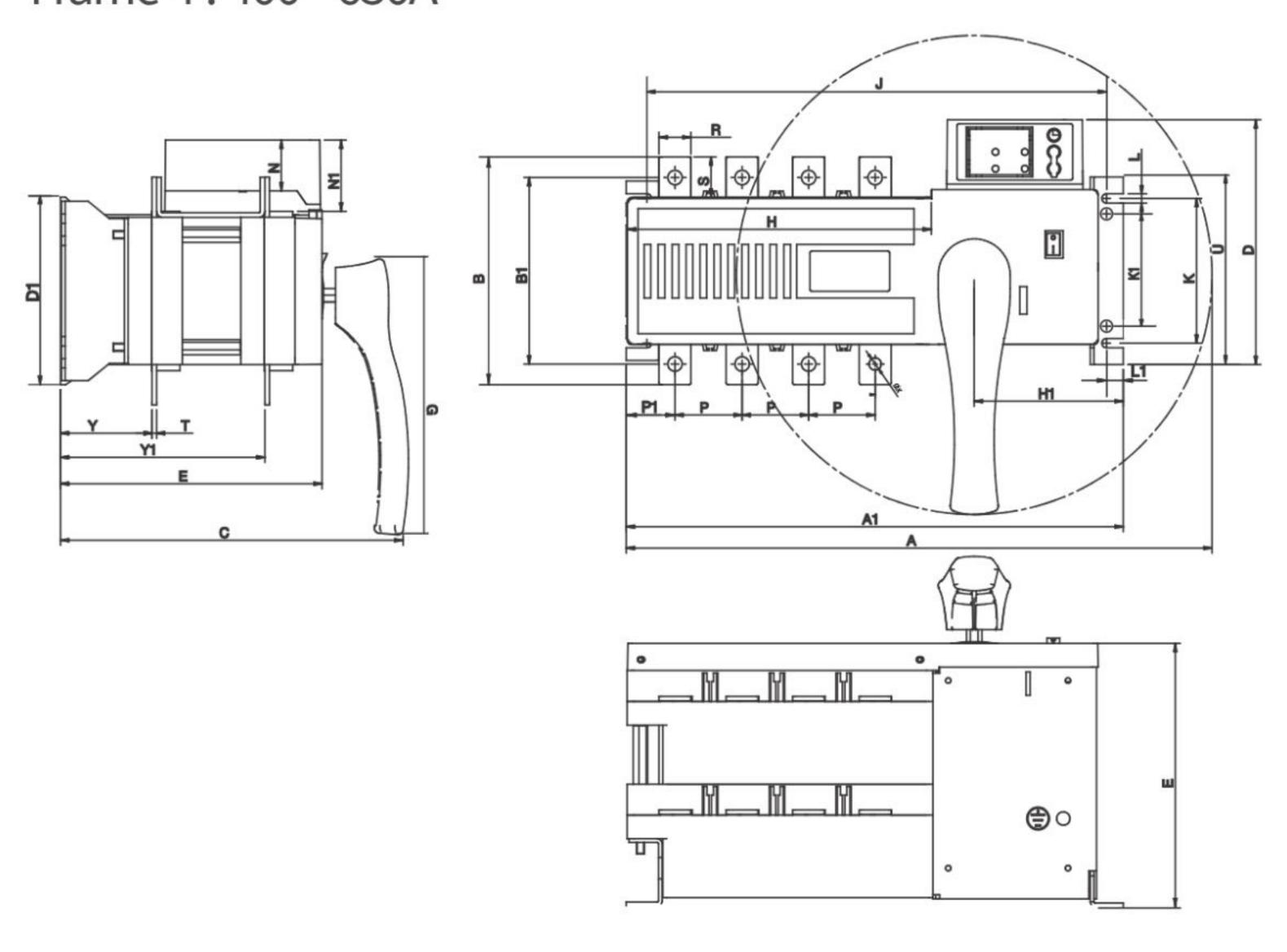
Frame 3:200 - 250A





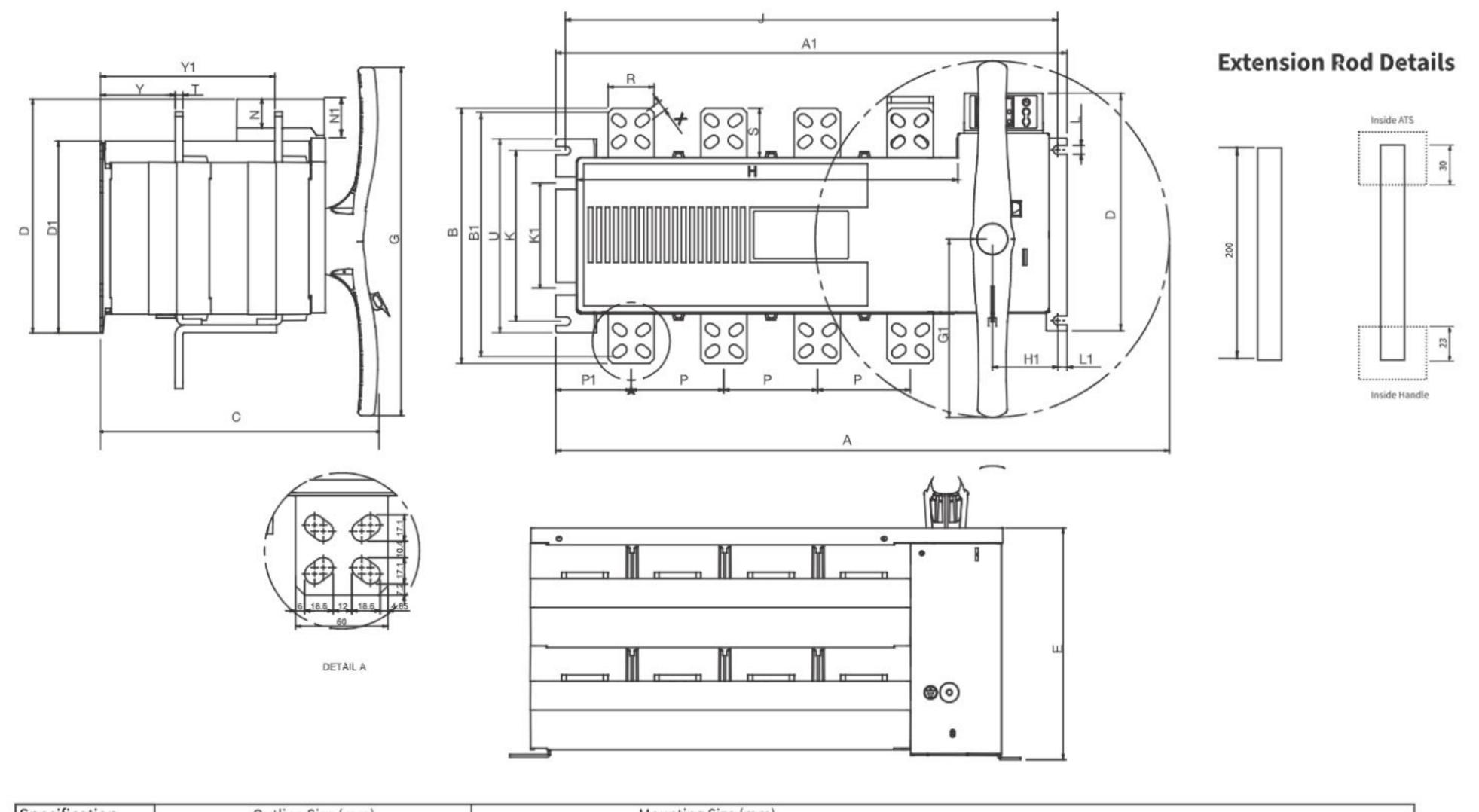
Specification			Outlin	ne Size	(mm)					M	ountin	g Size	(mm)														
AT-CL 200 250A	Α	A1	В	B1	С	D	D1	E	G	н	H1	J	K	K1	L	L1	N	N1	Р	P1	R	S	Т	U	ØΧ	Υ	Y1
ATeSL 200- 250A	440	373	170	140	257	182.7	140	196.6	205	228.5	112	355	108	78	7	12.5	38	53.2	50	36.6	24	30	3.4	134	11	68.8	153.6

Frame 4:400 - 630A



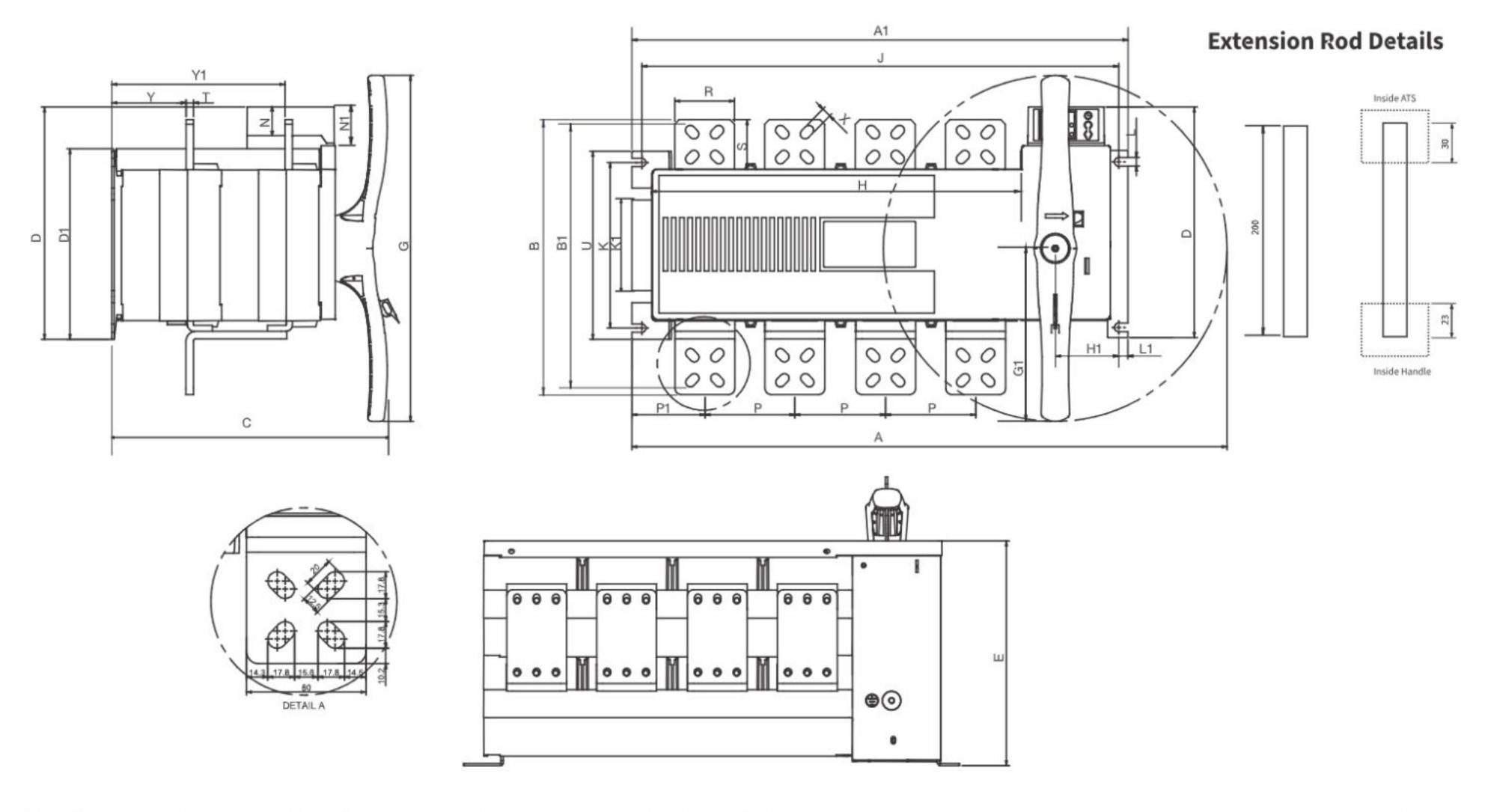
Specification			Outli	ne Size	(mm)					М	ountin	g Size ((mm)														
ATOSI 400 630A	Α	A1	В	B1	С	D	D1	E	G	Н	H1	J	K	K1	L	L	N	N1	Р	P1	R	S	Т	U	ØΧ	Υ	Y1
ATeSL 400- 630A	517	436	270	218	290	200	140	250	205	290	112	420	180	130	9	12.5	38	53.2	65	36.6	40	50	5	222	13	83	195

Frame 5:800 - 1000A



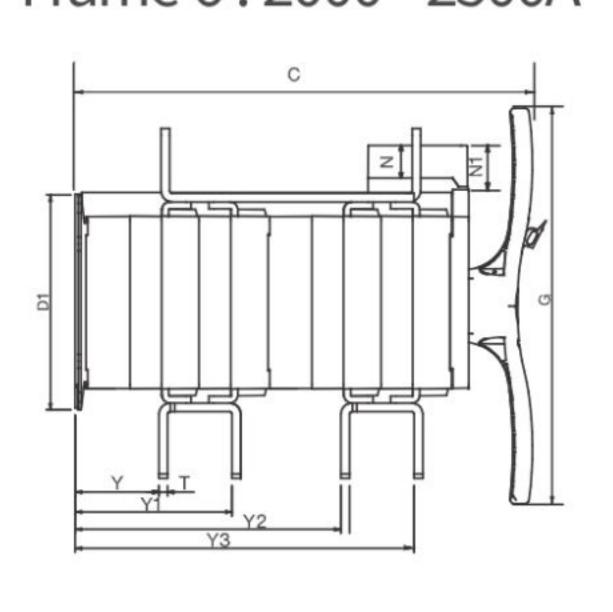
Specification Mounting Size (mm) Outline Size (mm) B1 E Н H1 K D1 G G1 K1 ØX ATeSL 800- 1000A 20 100 233 38 53.2 120 97.6 250 355 368 310 253 299 460 230 495 97 642 220 136 11.5 13

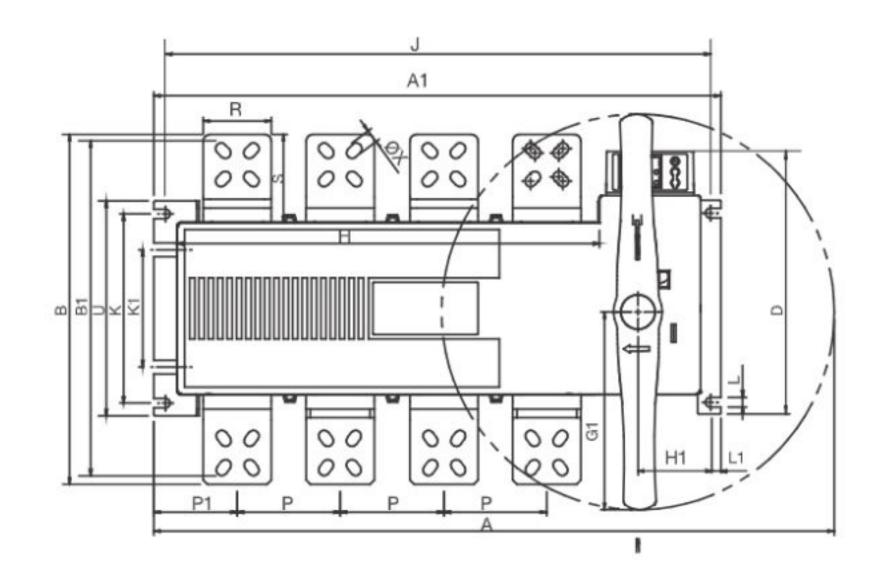
Frame 5: 1250 - 1600A

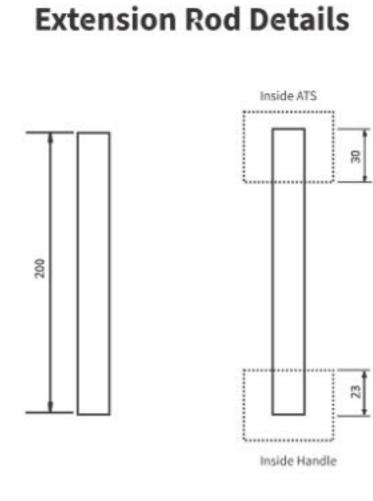


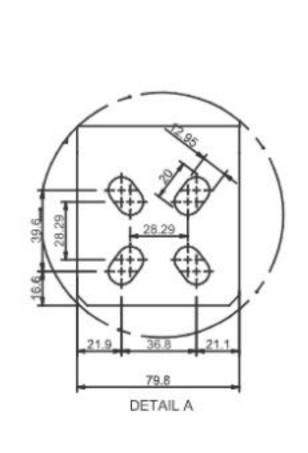
Specification			Outli	ne Size	(mm)						M	ountin	g Size	(mm)														
AT-SI 1250 1600A	Α	A1	В	B1	С	D	D1	E	G	G1	Н	H1	J	K	K1	L	L1	N	N1	Р	P1	R	S	Т	U	ØX	Υ	Y1
ATeSL 1250- 1600A	797	664	370	349.6	368	310	253	299	460	230	495	97	642	220	136	9	20	38	53.2	120	97.8	80	66	10	250	13	100	233

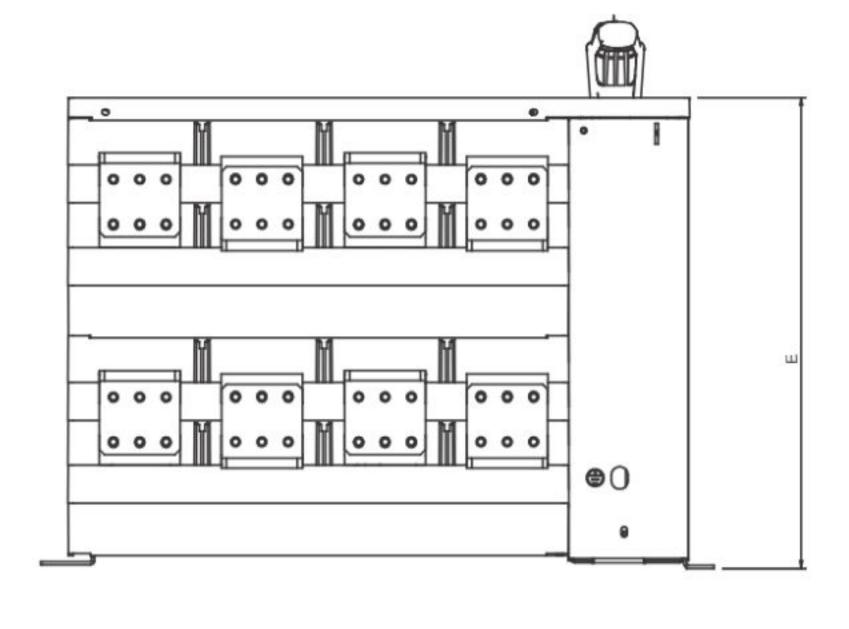
Frame 6: 2000 - 2500A





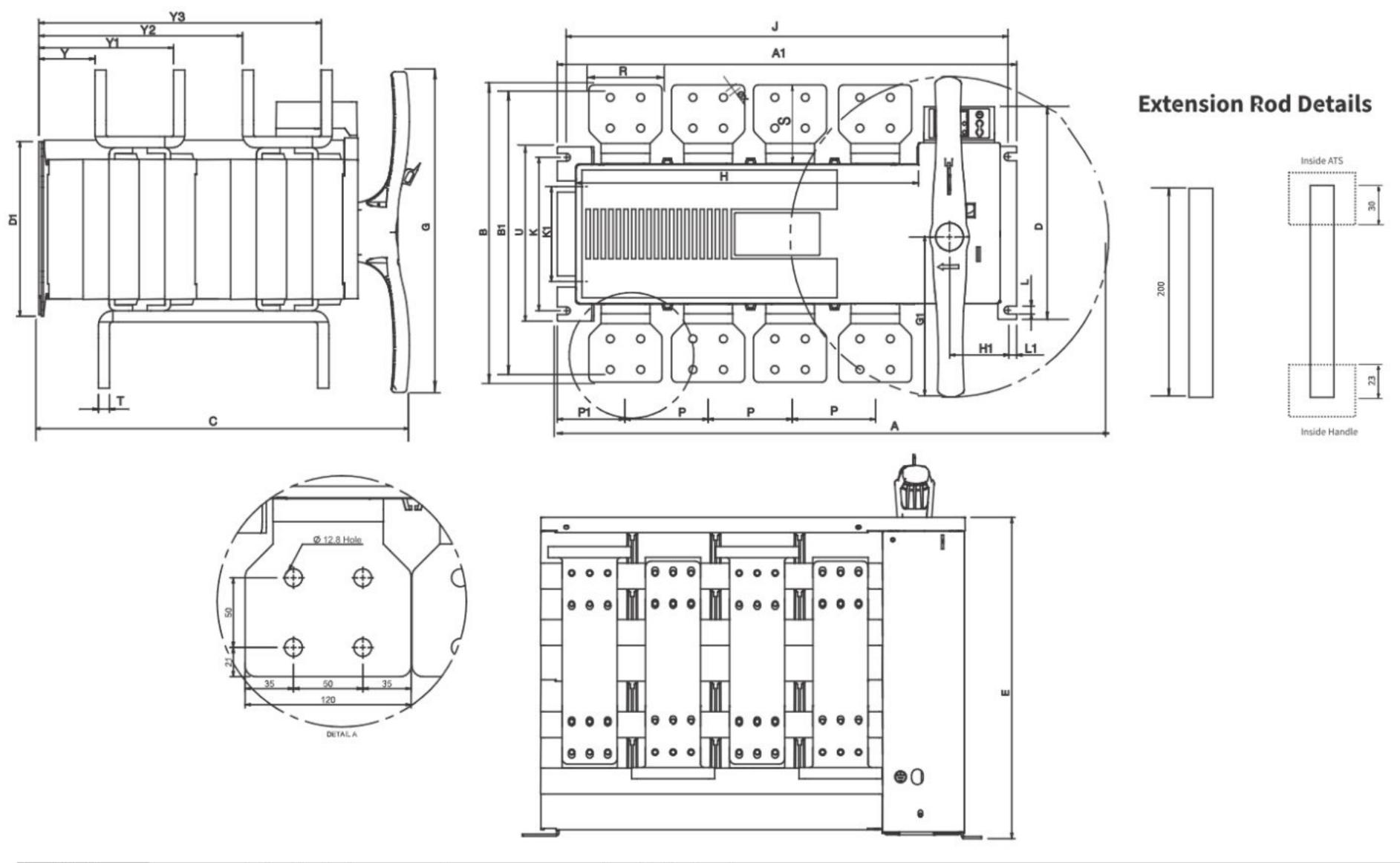






Specification		s	Outli	ne Size	(mm)			W st			Мо	unting	g Size (mm)	<i>y</i>		20 20		23. 3		2 53	10			o .			38 S	0 0	
ATeSL 2000 - 2500A	Α	A1	В	B1	С	D	D1	E	G	G1	Н	H1	J	K	K1	L	L1	N	N1	Р	P1	R	S	Т	U	ØX	Υ	Y1	Y2	Y3
ATeSL 2000 - 2500A	797	664	407	374	535	310	250	461	460	230	495	97	642	220	136	11.5	20	38	53.2	120	97.6	80	102	10	250	13	100	180	310	400

Frame 6:3200A



Specification			Outli	ne Size	(mm)						Мс	unting	g Size (mm)																
AT-CL 2200A	Α	A1	В	B1	С	D	D1	E	G	G1	Н	H1	J	K	K1	L	L1	N	N1	Р	P1	R	S	Т	U	ØX	Υ	Y1	Y2	Y3
ATeSL 3200A	797	664	457	415	535	310	250	461	460	230	495	97	642	220	136	11.5	20	38	53.2	120	97.6	120	127	15	250	13	81	195	294	408