

DISCOVERY

Every SIRIUS stabilisers can be transformed into a DISCOVERY line conditioner by adding a set of additional components and an isolating transformer.

The DISCOVERY line conditioners are three-phase and cover the power rating range between 50kVA and 4000kVA, allowing for the choice of several input voltage variation percentages.

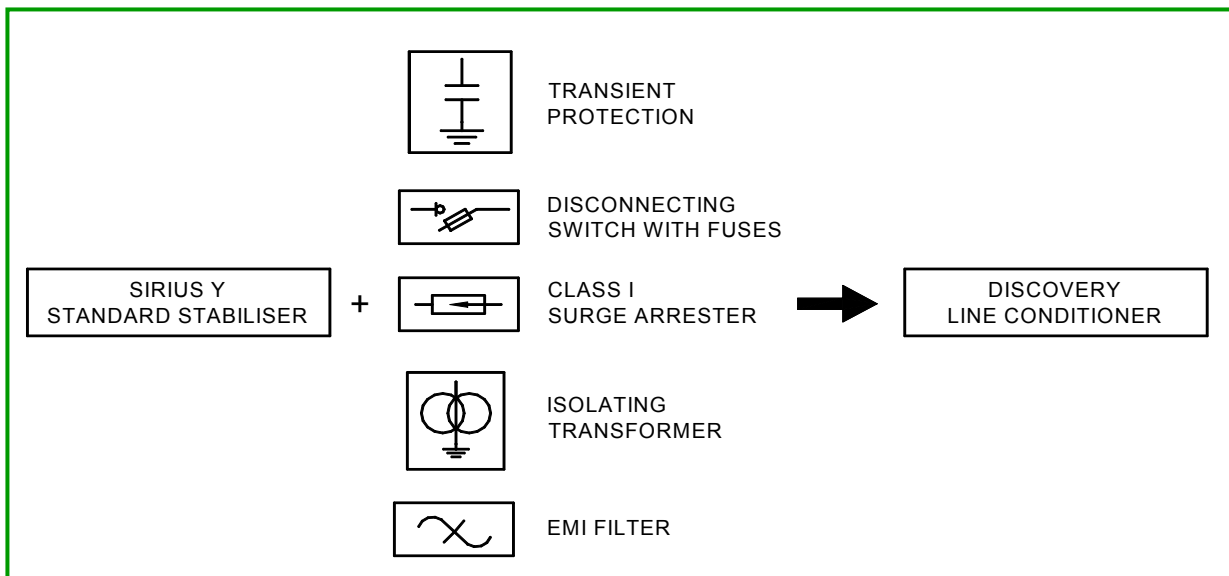
The DISCOVERY line conditioner is available with independent regulation on each phase only.

Being the line conditioner provided with transient protection, disconnecting switch with fuses, surge protective devices, isolating transformer and EMI filter, a higher level of protection for the user is assured.

The measuring instrumentation for the DISCOVERY line conditioners is incorporated in a control panel on the cabinet door and consists of **two multi-task network analysers**.

Such instruments are able to provide with information regarding the status of the lines upstream and downstream the voltage stabiliser, such as phase and linked voltages, current, power factor, active power, apparent power, reactive power, etc.

The logic control, performed on the true rms voltage, is based on a 2-way microprocessor. By using this device, monitoring the system and setting the stabiliser parameters via a PC connection, are made possible.



DISCOVERY ±15% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±15% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE ±0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y125-15	125	400	212	400	181	>98	20	41	1200
Y160-15	160	400	272	400	231	>98	20	41	1300
Y200-15	200	400	340	400	289	>98	20	42	1600
Y250-15	250	400	425	400	361	>98	20	42	1700
Y315-15	315	400	535	400	455	>98	20	42	2400
Y400-15	400	400	680	400	578	>98	20	43	2800
Y500-15	500	400	850	400	723	>98	20	43	3200
Y630-15	630	400	1071	400	910	>98	20	43	4000
Y800-15	800	400	1361	400	1156	>98	24	44	5200
Y1000-15	1000	400	1700	400	1445	>98	24	44	5600
Y1250-15	1250	400	2125	400	1806	>98	24	45	6000
Y1600-15	1600	400	2720	400	2312	>98	24	45	6800
Y2000-15	2000	400	3400	400	2890	>98	24	45	7800
Y2500-15	2500	400	4250	400	3613	>98	24	*	*
Y3150-15	3150	400	5355	400	4552	>98	24	*	*
Y4000-15	4000	400	6800	400	5780	>98	24	*	*

DISCOVERY ±20% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±20% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE ±0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y100-20	100	400	180	400	144	>98	15	41	1200
Y125-20	125	400	226	400	181	>98	15	41	1300
Y160-20	160	400	289	400	231	>98	15	42	1600
Y200-20	200	400	361	400	289	>98	15	42	1700
Y250-20	250	400	452	400	361	>98	15	42	2400
Y315-20	315	400	569	400	455	>98	15	43	2800
Y400-20	400	400	722	400	578	>98	15	43	3200
Y500-20	500	400	903	400	723	>98	15	43	4000
Y630-20	630	400	1138	400	910	>98	18	44	5200
Y800-20	800	400	1445	400	1156	>98	18	44	5600
Y1000-20	1000	400	1806	400	1445	>98	18	45	6000
Y1250-20	1250	400	2258	400	1806	>98	18	45	6800
Y1600-20	1600	400	2890	400	2312	>98	18	45	7800
Y2000-20	2000	400	3613	400	2890	>98	18	*	*
Y2500-20	2500	400	4516	400	3613	>98	18	*	*
Y3150-20	3150	400	5690	400	4552	>98	18	*	*

DISCOVERY ±25% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±25% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE ±0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y75-25	75	400	144	400	108	>98	12	41	1200
Y100-25	100	400	193	400	144	>98	12	41	1300
Y125-25	125	400	241	400	181	>98	12	42	1600
Y160-25	160	400	308	400	231	>98	12	42	1700
Y200-25	200	400	385	400	289	>98	12	42	2400
Y250-25	250	400	482	400	361	>98	12	43	2800
Y315-25	315	400	607	400	455	>98	12	43	3200
Y400-25	400	400	770	400	578	>98	12	43	4000
Y500-25	500	400	963	400	723	>98	15	44	5200
Y630-25	630	400	1214	400	910	>98	15	44	5600
Y800-25	800	400	1541	400	1156	>98	15	45	6000
Y1000-25	1000	400	1927	400	1445	>98	15	45	6800
Y1250-25	1250	400	2408	400	1806	>98	15	45	7800
Y1600-25	1600	400	3083	400	2312	>98	15	*	*
Y2000-25	2000	400	3853	400	2890	>98	15	*	*
Y2500-25	2500	400	4817	400	3613	>98	15	*	*

DISCOVERY ±30% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±30% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE ±0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y50-30	50	400	103	400	72	>98	10	41	1200
Y75-30	75	400	155	400	108	>98	10	41	1300
Y100-30	100	400	206	400	144	>98	10	42	1600
Y125-30	125	400	258	400	181	>98	10	42	1700
Y160-30	160	400	330	400	231	>98	10	42	2400
Y200-30	200	400	413	400	289	>98	10	43	2800
Y250-30	250	400	516	400	361	>98	10	43	3200
Y315-30	315	400	650	400	455	>98	10	43	4000
Y400-30	400	400	826	400	578	>98	12	44	5200
Y500-30	500	400	1032	400	723	>98	12	44	5600
Y630-30	630	400	1300	400	910	>98	12	45	6000
Y800-30	800	400	1651	400	1156	>98	12	45	6800
Y1000-30	1000	400	2064	400	1445	>98	12	45	7800
Y1250-30	1250	400	2580	400	1806	>98	12	*	*
Y1600-30	1600	400	3303	400	2312	>98	12	*	*
Y2000-30	2000	400	4128	400	2890	>98	12	*	*

DISCOVERY +15%/-25% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE +15% -25% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y100-15/25	100	400	192	400	144	>97	15	41	1240
Y125-15/25	125	400	241	400	180	>97	15	41	1360
Y160-15/25	160	400	308	400	231	>97	15	42	1780
Y200-15/25	200	400	385	400	289	>97	15	42	1900
Y250-15/25	250	400	481	400	361	>97	15	42	2640
Y315-15/25	315	400	607	400	455	>97	15	43	3080
Y400-15/25	400	400	770	400	578	>97	15	43	3500
Y500-15/25	500	400	963	400	722	>97	15	43	4380
Y630-15/25	630	400	1213	400	910	>97	18	44	5640
Y800-15/25	800	400	1541	400	1156	>97	18	44	6100
Y1000-15/25	1000	400	1926	400	1445	>97	18	45	7500
Y1250-15/25	1250	400	2408	400	1806	>97	18	45	8600
Y1600-15/25	1600	400	3082	400	2312	>97	18	45	8860
Y2000-15/25	2000	400	3853	400	2890	>97	18	*	*
Y2500-15/25	2500	400	4817	400	3612	>97	18	*	*
Y3150-15/25	3150	400	6069	400	4552	>97	18	*	*

DISCOVERY +15%/-35% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE +15% -35% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y75-15/35	75	400	166	400	108	>97	12	41	1300
Y100-15/35	100	400	222	400	144	>97	12	41	1500
Y125-15/35	125	400	278	400	180	>97	12	42	1860
Y160-15/35	160	400	356	400	231	>97	12	42	2200
Y200-15/35	200	400	444	400	289	>97	12	42	2740
Y250-15/35	250	400	556	400	361	>97	12	43	3200
Y315-15/35	315	400	700	400	455	>97	12	43	3640
Y400-15/35	400	400	889	400	578	>97	12	43	4500
Y500-15/35	500	400	1111	400	722	>97	15	44	6300
Y630-15/35	630	400	1400	400	910	>97	15	44	6760
Y800-15/35	800	400	1778	400	1156	>97	15	45	7800
Y1000-15/35	1000	400	2223	400	1445	>97	15	45	8700
Y1250-15/35	1250	400	2779	400	1806	>97	15	45	8860
Y1600-15/35	1600	400	3557	400	2312	>97	15	*	*
Y2000-15/35	2000	400	4446	400	2890	>97	15	*	*
Y2500-15/35	2500	400	5558	400	3613	>97	15	*	*

DISCOVERY +15%/-45% THREE-PHASE LINE CONDITIONER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE +15% -45% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
Y50-15/45	50	400	131	400	72	>97	10	41	1660
Y75-15/45	75	400	197	400	108	>97	10	41	1900
Y100-15/45	100	400	263	400	144	>97	10	42	2400
Y125-15/45	125	400	328	400	180	>97	10	42	2700
Y160-15/45	160	400	420	400	231	>97	10	42	3300
Y200-15/45	200	400	525	400	289	>97	10	43	3580
Y250-15/45	250	400	656	400	361	>97	10	43	3800
Y315-15/45	315	400	827	400	455	>97	10	43	4640
Y400-15/45	400	400	1051	400	578	>97	12	44	5880
Y500-15/45	500	400	1313	400	722	>97	12	44	7000
Y630-15/45	630	400	1655	400	910	>97	12	45	8000
Y800-15/45	800	400	2102	400	1156	>97	12	45	8860
Y1000-15/45	1000	400	2627	400	1445	>97	12	45	9400
Y1250-15/45	1250	400	3284	400	1806	>97	15	*	*
Y1600-15/45	1600	400	4204	400	2312	>97	15	*	*
Y2000-15/45	2000	400	5255	400	2890	>97	15	*	*

* This data will be given with the offer

The technical data in the above tables are subject to change by the Company either for internal reasons or because of a specific request from the Customer
 Input output voltage 50Hz: 380/415V - Input output voltage 60Hz: 460/480V