



# SIVACON S8

Technical Design – Main Distribution Board



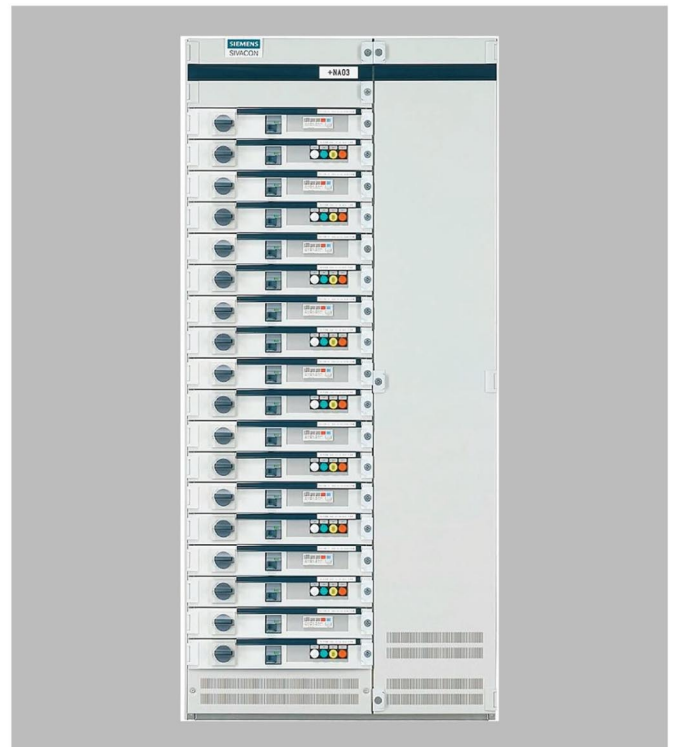
## Historical Agreement between Simetri & Siemens

PT Sinar Metrindo Perkasa (Simetri) is a qualified local switchgear manufacturer that is handpicked, certified and constantly monitored by Siemens. Simetri and Siemens signed a partnership agreement for Sivacon S8 manufacturing in April 2017. We provide proof of safety and quality by means of design verification, arc fault tests, and seismic tests.

SIVACON

Technology  
Partner

SIEMENS



## Sivacon S8: for maximum demands

The Sivacon S8 Low-voltage power distribution board ensure high level of personal and plant safety. Continues testing to IEC 61641 and VDE 0660 part 500-2 guarantees safety in event of an arcing fault. Many well-thought-out details, including a reduced use of plastic parts and insulated main busbars, guarantee maximum safety and plant availability, resulting in low liability risk.

## Benefits

- Emphasis on maximum personal and plant safety
- Flexible layout thanks to a modular concept and wide variety of parts
- Efficient implementation of technologically sophisticated solutions
- Safety at a high level
- Functioning during and after earthquake test
- Saline atmosphere with high air humidity
- Arc resistency; arc is caused by extremely high temperature and high pressure

## Motor Control Center

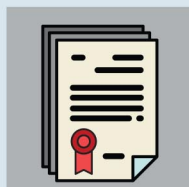
The cubicles for motor and cable feeders in withdrawable design offer maximum operating comfort and optimum safety and availability. Thanks to the trend-setting withdrawable concept, modifications and adjustments can be easily and rapidly implemented. This way, individual modules can be supplemented or replaced and even compartment conversions can be realised during ongoing operation.



IEC 61439-1/2



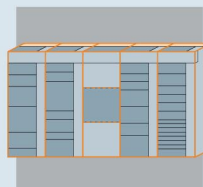
Roof Plate  
with Pressure Relief



Comprehensive  
Certifications



Patented Locking  
System

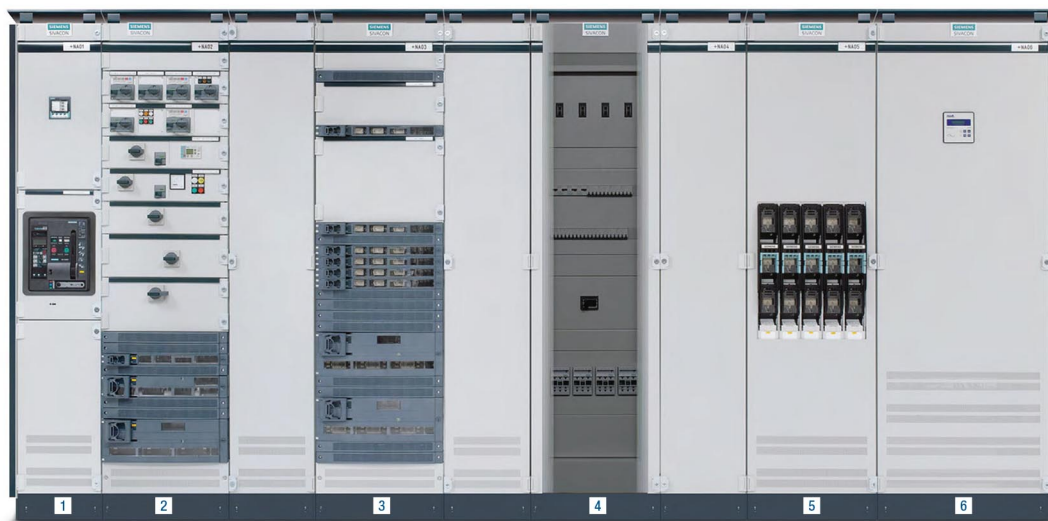


Safety in The Event  
of an Arcing Fault



Safe Housing

### Power Distribution Board



	1 Circuit breaker design	2 Universal mounting design	3 In-line design, plug-in	4 Fixed-mounted design	5 In-line design, fixed-mounted	6 Reactive power compensation
Mounting design	- Fixed-mounted design - Withdrawable	- Fixed-mounted design with compartment doors - Plug-in	- Plug-in	- Fixed-mounted design with front covers	- Fixed-mounted design	- Fixed-mounted design
Functions	- Supply - Outgoing feeder - Coupling	- Cable feeders	- Cable feeders	- Cable feeders	- Cable feeders	- Central reactive power compensation
Rated values	- Up to 6,300 A	- Up to 630 A	- Up to 630 A	- Up to 630 A	- Up to 630 A	- Unchoked up to 600 kvar - Choked up to 500 kvar
Connection position	Front or rear	Front or rear	Front	Front	Front	Front
Cubicle width (mm)	400, 600, 800, 1,000, 1,400	600, 1,000, 1,200	1,000, 1,200	1,000, 1,200	600, 800, 1,000	800
Internal separation	Form 1, 2b, 3a, 4b, 4 type 7 (BS)	Form 3b, 4a, 4b, 4 type 7 (BS)	Form 3b, 4b	Form 1, 2b, 3b, 4a, 4b	Form 1, 2b	Form 1, 2b
Busbar position	Top/rear	Top/rear	Top/rear	Top/rear	Rear	Without/top/rear

Two versions are available for the configuration of withdrawable design feeders:

#### Technical Features:

Range of motor feeder @400V and cable feeder
Degree of protection in test and disconnected position
Operation cycles
Coding

Standard Feature Design (SFD)	High Feature Design (HFD)
Restricted performance range	Availability for the full performance range
-	Small and normal withdrawable units
Mixed applicability with high feature design	Mixed applicability with standard feature design
132 kW / 250 A	250 kW / 630 A
IP30	Same with SWB Design
Up to 500	Up to 2500
Up to 21 var	Up to 9216 var



#### PT SINAR METRINDO PERKASA

Aries Niaga blok A1 no. 3A-3B, Jalan Taman Aries  
Meruya Utara, Kembangan, Jakarta Barat  
DKI Jakarta 11620, Indonesia

P +62(21) 589 06959  
F +62(21) 589 07350  
E marketing@sinarmetrindo.co.id



SCAN AND FIND  
OUT MORE  
ABOUT SIMETRI