

Package Substation



Upto 24kV

C&S series of Package Substation is for voltages up to 24kV as standard (33kV on request). It is a fully equipped Package substation (PSS) that includes outdoor housing, medium voltage switchgear, distribution transformer, low voltage panel and APFCR Panel (Optional). Only the incoming & out going cables need to be connected at site and the site work is kept to an absolute minimum.

The PSS is completely self-contained. Factory assembled weatherproof housing ready for placing into position upon a concrete base. PSS is provided with four lifting eyes located on the roof for easy lifting and positioning the whole unit at the site by the use of crane. Each substation contains three main equipment: Transformer, MV switchgear and LV switchgear each is contained in a separate compartment. All compartments are individually accessible by their own door from outside.



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Package Substation

Product Specification

General characteristics		
ambient temperature	normal operating conditions	- 5°C to 45°C
		+50°C or +60°C derating of MV and LV switchboards
standard colour		RAL 7032
Installation		out door
compartmented		yes
type of ventilation		natural
optional degree of protection	MV and LV Compartments Transformer Compartment	IP 54 IP 23 (IP 34 on request)
rated enclosure class		K 5 - 10
Applicable Standard	IEC 62271-202	
Electrical characteristics		
rated voltage (kV)		12 24 (33 kv on request)
rated insulation level	kV rms, 50 Hz 1 min.	28 50
	kV impulse, 1.2/50 µs	75 125
rated frequency (Hz)		50 50
Rated Current of MV switchgear/CB's (A)		630 630
max. allowable impulse current withstand	kA rms - 1 s / (3 s on request)	21 16
	kA peak	50 40
Maximum LV Current (A)		3200 3200
LV Current withstand (kA)		65 65



SF 6 Insulated Compact Type Medium Voltage Switchgear



Distribution Transformer



MCCB
5Amp-1200Amp

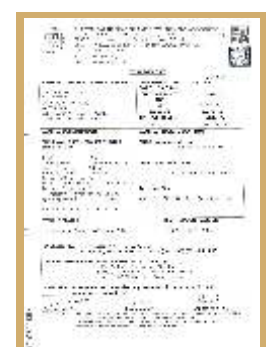


ACB
As per Transformer kVA
Low Voltage Switchgear

Dimensions Table

Type designation	Max. transformer	L All measurements in mm	W	H (above ground)
PSS- CS.1	Upto 315 KVA	2850	1850	2200
PSS- CS.2	Upto 400-630KVA	3150	2050	2500
PSS- CS.3	Upto 750-1000KVA	3150	2250	2500
PSS- CS.4	Upto 1250-1600KVA	3150	2450	2500
PSS- CS.5	Upto 2000KVA	3500	3000	2800

Certifications



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