

# TSC series(400,600A)

TSC -600 -665



- ① Model Name
- ② Rated Current
- ③ Line to ground capacitor code: See table 1.1

table 1.1 Line to ground capacitor code

Code	Leakage Current (Input Y-connection 250V / 500V 60Hz)	Line to ground capacitor (nominal value)		
		CY1	CY2	CY3
665	20mA/40mA max	2.2μF	2.2μF	2.2μF

\* Please contact us about low leakage current type (Change to low grounding capacitor) and further high attenuation type (Change to high permeability choke coil).

## Features of TSC series

### Ultra high attenuation for star connection with neutral earthing

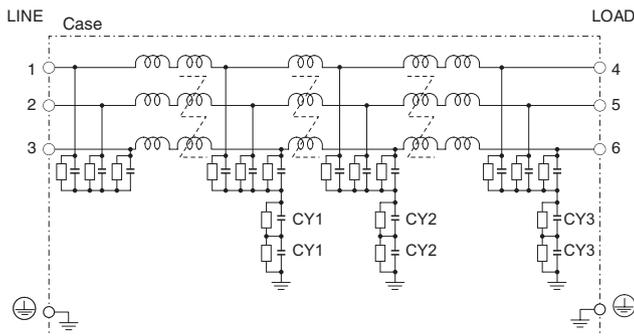
- Input and output terminals : Busbar type
- Ideal for Solar Photovoltaic system , Large Manufacturing facility

## Specifications

No.	Items	TSC-400-665	TSC-600-665
1	Rated Voltage[V]	AC Three Phase Y-connection 500 (voltage range:528 max) 50/60Hz *1	
2	Rated Current[A]	400	600
3	Test Voltage (Terminal-Mounting Plate)	3,600 VDC (Cutoff Current = 10mA), 1minute at room temperature and humidity	
4	Leakage current 250/500V 60Hz	20mA/40mA max (Y-connection)	
5	DC resistance	0.27mΩ max	0.2mΩ max
6	Safety agency approval temperatures	-25 to +85°C (Refer to Derating Curve)	
7	Operating temperature	-40 to +85°C (Refer to Derating Curve)	
8	Operating humidity	20 to 95%RH (Non condensing)	
9	Storage temperature/humidity	-40 to +85°C/20 to 95%RH (Non condensing)	
10	Vibration	10 to 55Hz, 9.8m/s <sup>2</sup> (1G), 3min. Period, 1hour each X, Y and Z axis	
11	Impact	98.1m/s <sup>2</sup> (10G), 11ms Once each X, Y and Z axis	
12	Safety agency approvals	UL1283, CSA C22.2 No.8 (C-UL) , DIN EN60939 VDE0565 Teil3-1, ENEC	
13	Case size (without projection)	210 X 100 X 360 mm [8.27 X 3.94 X 14.17 inches] (W X H X D)	
14	Weight	9.5kg max	10.0kg max

\*1 Three Phase Δ-connection:400 (440 max)

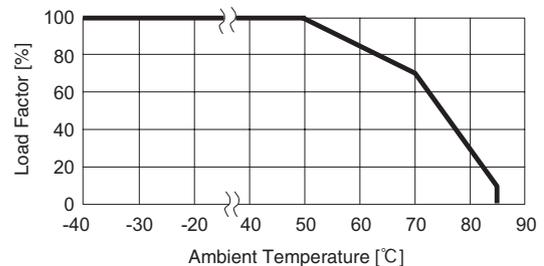
## Circuit Diagram



CY1, CY2, CY3 : Line to ground capacitor

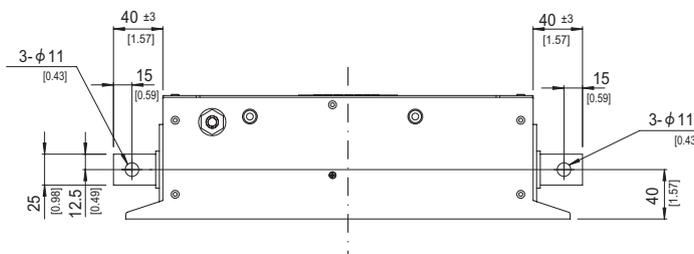
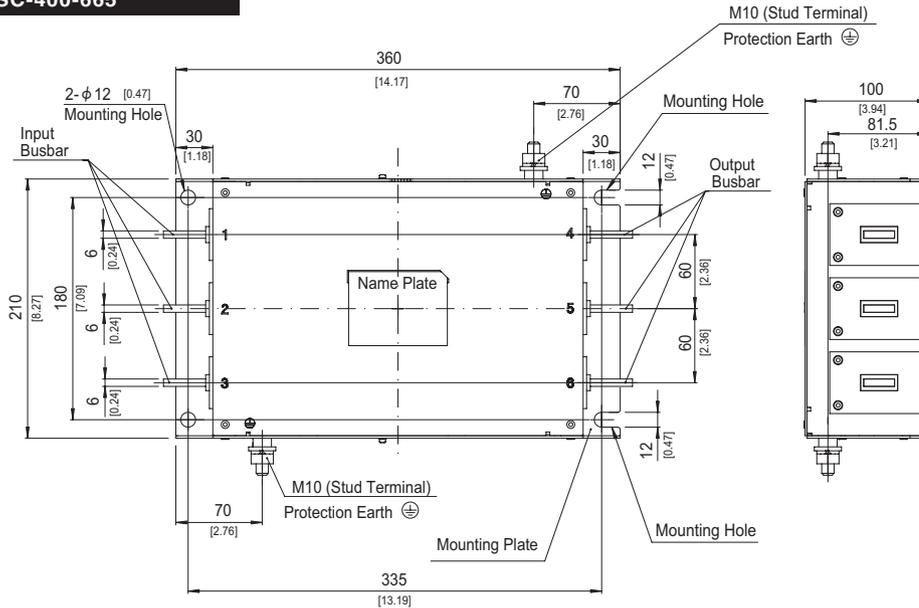
⊥ : Mounting Plate

## Derating Curve



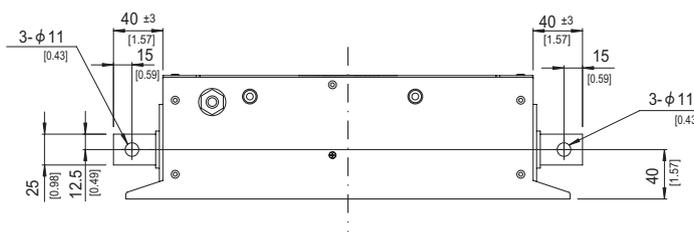
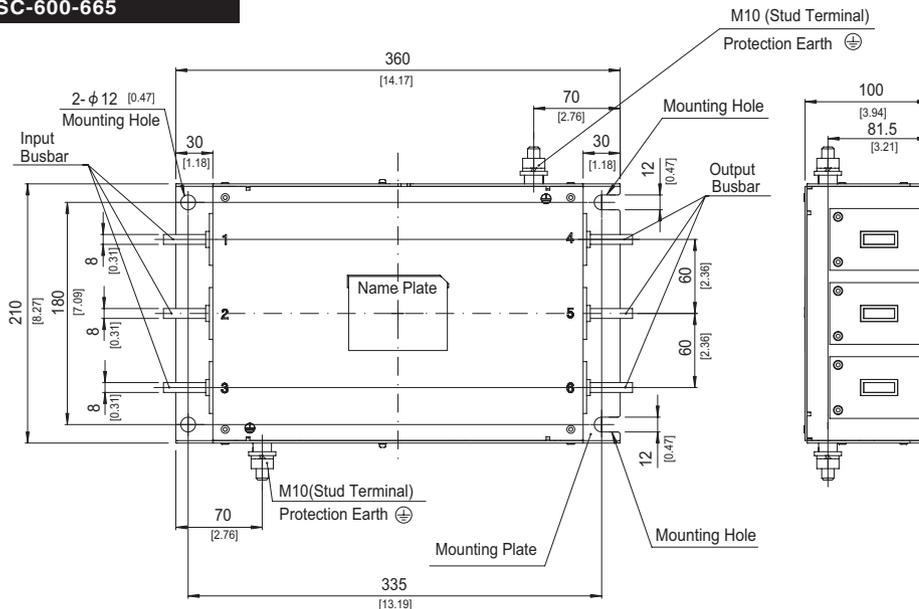
## External view

### TSC-400-665



- ※ Tolerance :  $\pm 1$  [ $\pm 0.04$ ]
- ※ Weight : 9.5kg max
- ※ Mounting Plate : Alumin  $t=2.0$  [0.08]
- ※ Busbar : Copper (Unplated)  $t=6.0$  [0.24]
- ※ Dimensions in mm, [ ]=inches
- ※ Protection Earth (PE) screw tightening torque  
M10 : 14.2N · m (144.9kgf · cm)max
- ※ Can not be mounted upside-down  
(mounted the top surface)

### TSC-600-665



- ※ Tolerance :  $\pm 1$  [ $\pm 0.04$ ]
- ※ Weight : 10.0kg max
- ※ Mounting Plate : Alumin  $t=2.0$  [0.08]
- ※ Busbar : Copper (Unplated)  $t=8.0$  [0.31]
- ※ Dimensions in mm, [ ]=inches
- ※ Protection Earth (PE) screw tightening torque  
M10 : 14.2N · m (144.9kgf · cm)max
- ※ Can not be mounted upside-down  
(mounted the top surface)