

±24V DC Input Industrial Switching Mode Power Supply

Series	Model No.	Output Watts	Input Voltage	Input Voltage range	LED Indicator
24	STC-242300400	2300 W	±24VDC	±18VDC~ ±36VDC	9 LED indicator
	STC-243000400	3000 W			
	STC-243600400	3600 W			

ENVIRONMENTAL CONDITIONS:

- Cooling: Forced Air-cooling, **80x80x25 mm Fan x 9(With Two Ball Bearing)**
- Operating Temperature: 0°C~+60°C
- Operating Humidity: 20%~85% RH. (Non condensing)
- Storage Temperature: -20°C~+80°C
- Storage Humidity: 10%~90% RH. (Non condensing)
- Operating Altitude: 10M Below Sea level to 3000M Above Sea level

DC INPUT CHARACTERISTICS:

- Input connector type: 300A/ 600V UL Approved 3-Pin Terminal
- Input Current: 250/ 125A(3600W) 208/104(3000W) 160/80A(2300W) @ Full Load input Low Line & High Line
- Inrush Current: Less than 180A Cold start @25°C ambient

DC OUTPUT CHARACTERISTICS:

Output Voltage	Regulation			Output Current						Ripple & Noise
	Load	Line	Cross	3600W		3000W		2300W		
				Min	Max	Min	Max	Min	Max	
+400V	3%	1%			9		7.5		5.75	4000mV
Constant Current Region				200~400V		200~400V		200~400V		Wattage
Maximum continuous total DC output power shall not exceed				3600		3000		2300		

OVERALL PERFORMANCE:

- Efficiency: 75% typical @24V DC Full Load
- Hold up time:
- Rise time:
- Power Good Signal:
- Short Circuit Protection (SCP): All output equipped with SCP (shutdown and latch off)
- Over Power Protection (OPP): Peak power protected to 130%±10% of continuous rated power (shutdown and latch off)

- Over Voltage Protection (OVP): +400V @ 480V DC

RELIABILITY:

- MTBF: 100,000 hours @max. Load, 24V DC & 25°C ambient
- Safety Standards: Meet UL60950, TüV EN60950
- Safety Approved:
- EMI Compatibility (EMC): FCC Part 15 Class A, CISPR22 (EN55022) Class A (CE mark)
- Dielectric Withstand: Input to Output: 500Vdc for 1second
- Dielectric Withstand: Input to Frame ground 500Vdc for 1second
- Leakage Current: <0.005mA @ 24VDC

Output Device Connector Specific:
Terminal type 30A/600V

Power Chassis Dimension:
475(L) x 260(W) x 272(H) mm
18.7(L) x 10.23(W) x 10.7(H) Inches

Net Weight:
30 kg
66 Lbs

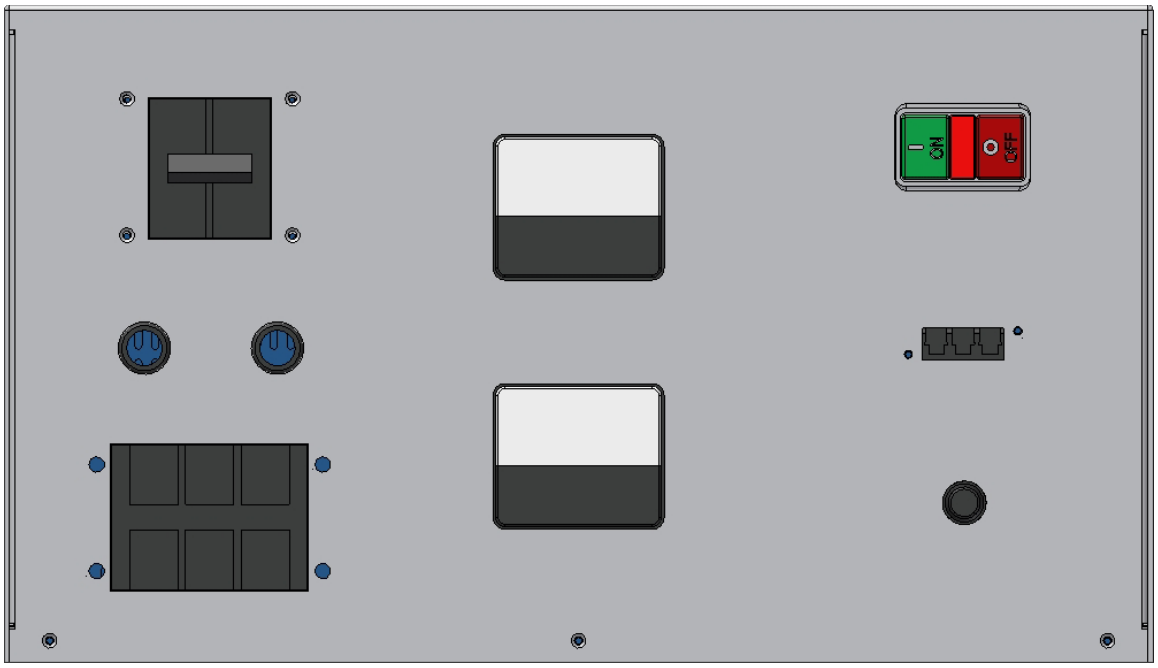
Gross Weight:
35 kg
77 Lbs

Packing Detail:
Wooden pallet
550(L) x 380(W) x 350(H) mm

Measurement of Carton:
0.073 M³
2.58 Cuft

Mechanical drawings (see below):

Front View



Top View



Rear view

