



PV INVERTER

Central Series / C3750

Features

- Peak efficiency 99.0%
- Wide DC input voltage range 860-1500V
- IP65 protection level
- Integral DC & AC disconnects
- Integral type II SPD at DC & AC side
- Built-in Anti-PID function
- SVG functionality (Night time reactive power)
- Compact size

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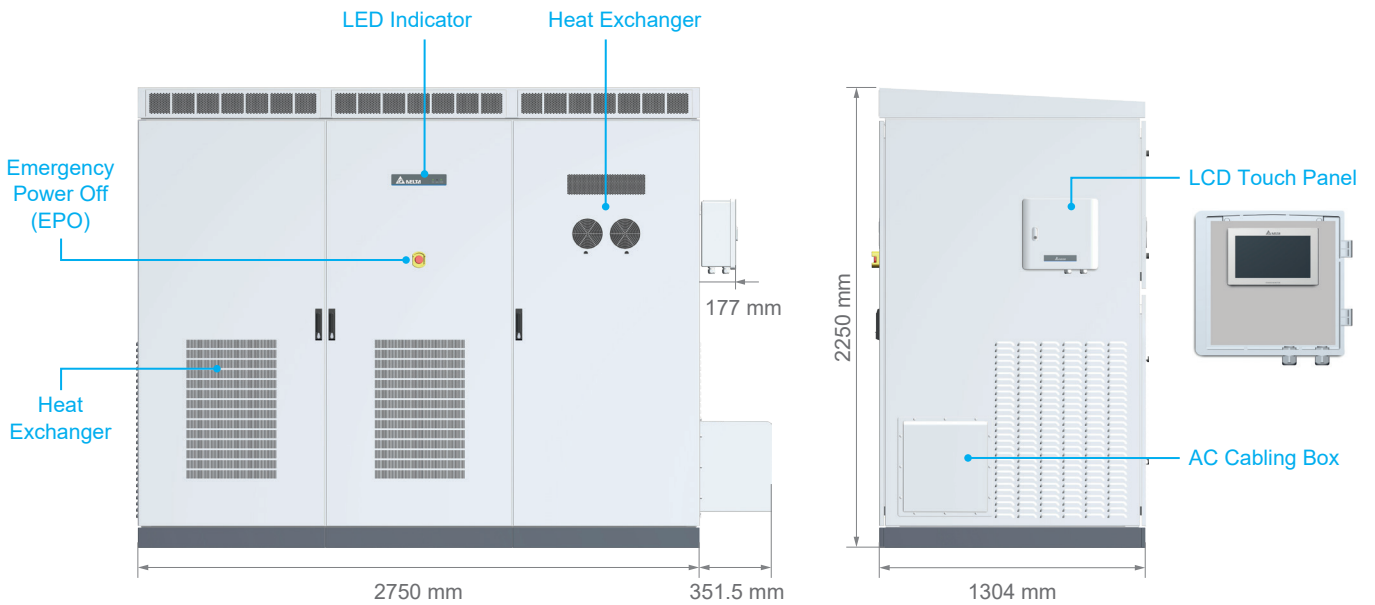


Product Overview

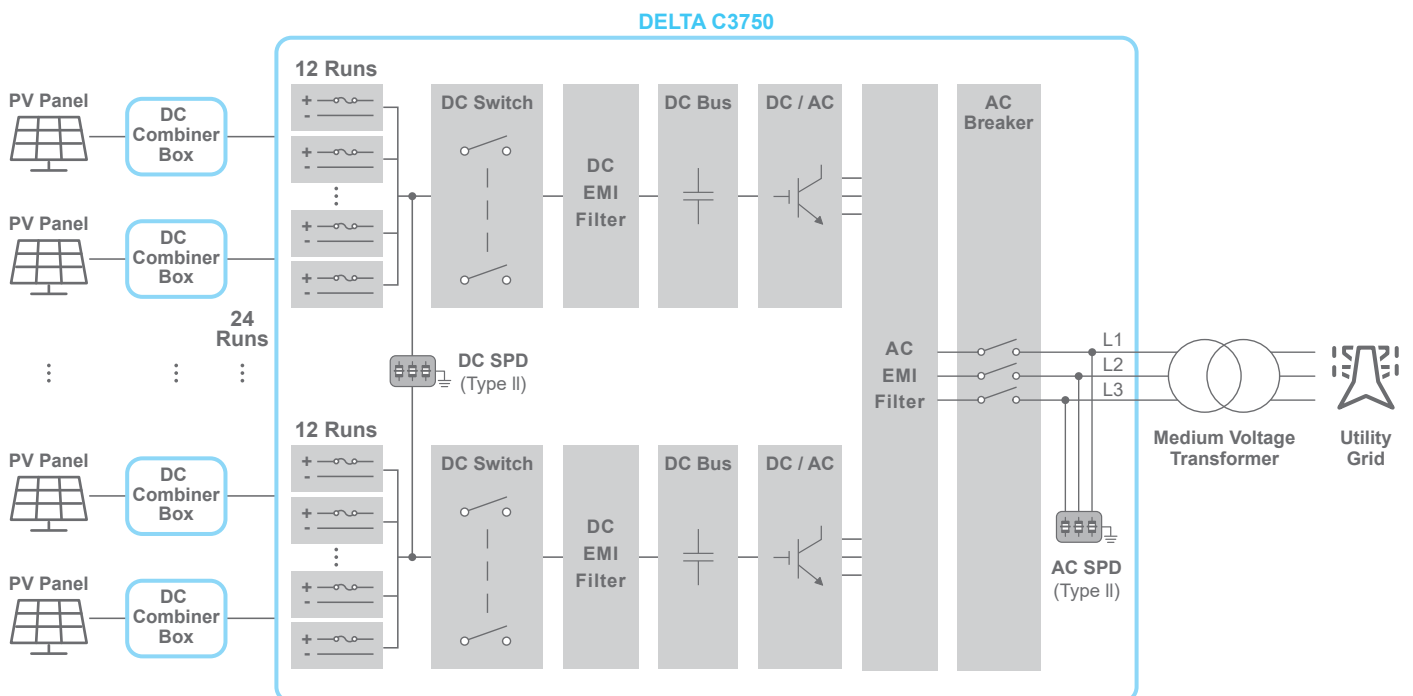
Delta C3750 performs an excellent power conversion efficiency, achieves 99.0% peak, and 98.5% Euro efficiency over converting PV energy. It features all-in-one design which integrates DC fuses, surge protection devices and DC switch in one unit body. Highly compact design with industry-leading cooling channel design minimize the size of C3750 and need a minimum land requirement for installation.



Feature Highlights



Circuit Diagram



Specifications

Model Number	C3750				
DC Input					
Occasionally Max Voltage	1600 V				
Operating Voltage Range	860 - 1500 V				
MPP Voltage Range	860 - 1350 V ¹⁾				
Start Voltage	910 V				
Nominal DC Voltage	1050 V				
MPP Tracker	1				
Max. Operating Current	4400 A				
DC Connection type	M10 ring terminal lug (24 pairs Max. 400mm ² Cu or Al wire)				
No. of DC Input	24 (400 A fuse)				
Max. PV Array Power	6 MWp				
Surge Protection	Type II SPD				
DC Switch	Built-in				
Zone Monitoring	Optional				
AC Output					
Max. Output Power	4.125 MVA				
Max. Output Current	3970 A				
Output Power	3750 kW @ 50°C ; 4125 kW @ 30°C				
Nominal AC Voltage	AC 600 V , 3Ø3W				
AC Voltage Range	80% to 115% of nominal AC voltage				
Operating Frequency Range	50 / 60 ± 5Hz				
Power Factor	0.8 lead - 0.8 lag (adjustable)				
Surge Protection	Type II SPD				
T.H.D	< 3%				
AC Connection type	M12 ring terminal lug (Max. 630mm ² for 10 Runs / Max. 400mm ² for 14 Runs)				
Night Time Consumption	< 65 W				
Efficiency					
Peak Efficiency	99.0%				
Euro Efficiency	98.5%				
Information					
Communication port	RS-485				
Display	7-inch TFT LCD touch panel				
Regulatory					
	IEC61683	IEC62109-1/2	IEC 61000-6-2	IEC60068	IEEE519
	IEC50530	IEC62910(LVRT)	IEC 61000-6-4	IEEE1547	
General Data					
Operating temperature range	-25 to 60°C, > 50°C smart de-rating				
Protection level	IP65				
Operation elevation	< 4000 m				
Cooling	Forced Air cooling plus smart fan control				
Dimension (W x H x D)	2750 x 2250 x 1304 mm				
Weight	3800 kg				

1) Ambient < 30°C: 860-1350V ; Ambient < 40°C: 860-1250V

*All specifications are subject to change without prior notice.



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