

## M125HV



The power behind competitiveness

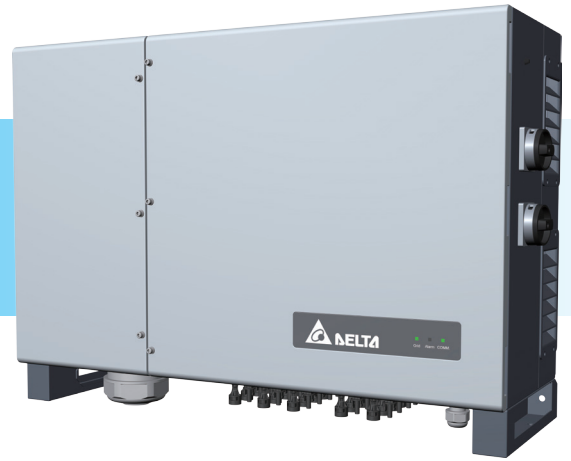
## Delta Commercial Series

### Product Features

- High DC input voltage up to 1500Vdc
- Excellent efficiency performance, 99.2% peak & 98.6% CEC
- Capable of landing up to 20 strings via fused inputs
- Electrolytic Capacitor Free, >20 years life
- IP65 protection level
- Integral DC disconnect
- Optional type 1 or type 1+2 SPD
- Integral type 2 SPD at AC & DC side
- String monitoring
- Operating temp. range -25°~60°C

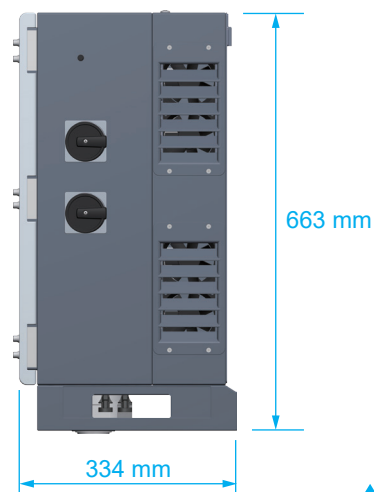
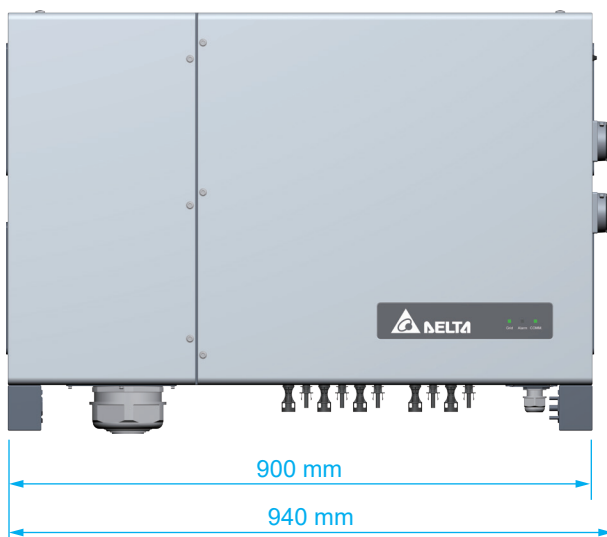
## Outstanding performance

M125HV have excellent efficiency performance, peak 99.2% and CEC 98.6%.



## Benefits with M125HV

- All-in-one Design:**  
String fuses, surge protection devices and DC switch are integrated into the design.
- String Monitoring Function:**  
The string monitoring function can precisely record real-time current value up to 20 strings via communication interface.
- High Durability Design:**  
Based on electrolytic capacitor free design and IP65 protection level, inverter can increase the lifetime and long term reliability.
- Installation Flexibility:**  
According to different installation environment, M125HV supports wall mount bracket/stand to do vertical installation.



# Delta Commercial Series

|                              |  |  |   |
|------------------------------|--|--|---|
| Model                        | M125HV   |  |   |
| <b>DC Input</b>              |  |  |   |
| Occasionally Max. voltage    | 1600V  |  |   |
| Operating voltage range      | 860~1500V  |  |   |
| MPP voltage range            | 860~1450V *  |  |   |
| Rated voltage                | 1050V  |  |   |
| MPP tracker                  | 1  |  |   |
| Max. operating current       | 150A   |  |   |
| Max. allowable array Isc     | 320A   |  |   |
| String fuse provisioned      | 20A/1500V PV fuses   |  |   |
| Connection                   | 20 pairs of UTX connectors   |  |   |
| Surge Protection             | Type 2 SPD (option type 1, type 1+2)   |  |   |
| DC Switch                    | Yes  |  |   |
| String current monitoring    | Yes  |  |   |
| <b>AC Output</b>             |  |  |   |
| Max. output power            | 125kW/140kVA   |  |   |
| Max. output current          | 135A   |  |   |
| Grid configuration           | 3P/PE  |  |   |
| Operating voltage range      | 384V~690V  |  |   |
| Operating frequency range    | 50/60Hz ±5Hz   |  |   |
| Power factor                 | 0.8 ind ~ 0.8 cap adjustable (1~0.9 at maximum power)                                  |  |   |
| Surge Protection             | Type 2 SPD (option type 1, type 1+2)   |  |   |
| THD                          | <3%  |  |   |
| Connection                   | Ring terminal lug with Terminal block (Max. 185mm <sup>2</sup> Cu or Al wire)          |  |   |
| Night time consumption **    | <3.5W  |  |   |
| <b>Efficiency</b>            |  |  |   |
| Peak efficiency              | 99.2%  |  |   |
| EU efficiency                | 98.6%  |  |   |
| <b>Information</b>           |  |  |   |
| Communication                | RS-485 (Delta/ Sunspec)  |  |   |
| Indicator                    | LED (Grid, Alarm, COMM.)   |  |   |
| <b>Regulation</b>            |  |  |   |
|                              | Enedis-PRO-RES_64E<br>UTE C 15-712-1<br>VDE AR-N 4110                                  | IEC 62109-1/-2<br>EN 61000-6-2<br>EN 61000-6-3 | IEC 61439-2<br>NB/T 32004: 2013<br>GB/T 19964: LVRT |
| <b>General Data</b>          |  |  |   |
| Smart inverter functionality | Voltage/Frequency Ride through, Volt/Var, Volt/Watt, Power curtailment, Frequency/Watt |  |   |
| Operating temp. range        | -25°~60°C (>50°C de-rating)  |  |   |
| Operating elevation          | <3000m   |  |   |
| Cooling                      | Forced air cooling with Smart fan control  |  |   |
| Dimension (W x H x D, mm)    | 900 x 663 x 334  |  |   |
| Weight (kg)                  | 80   |  |   |

\* Ambient < 0°C : 860~1450V  
 Ambient < 25°C : 860~1350V  
 Ambient < 40°C : 860~1250V

- All specifications are subject to change without prior notice.

\*\* Night time consumption with standby communication



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