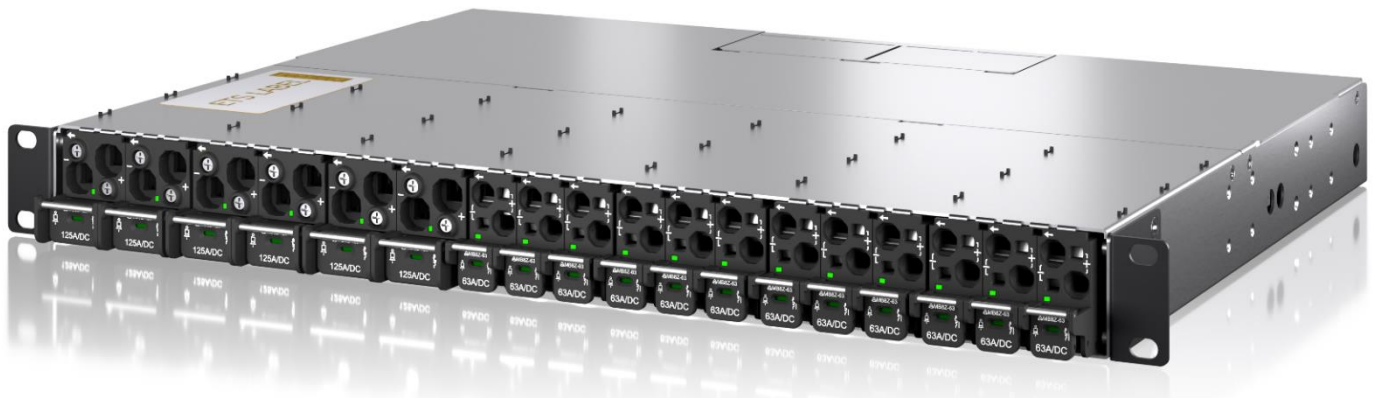


# Smart PDU I-Type

DC Power Distribution Unit



## Description

Smart PDU I-Type is a compact 1U DC distribution with intelligent plug-in breakers suitable for applications where individual power and energy monitoring is required for each breaker output. The intelligent breakers also support programmable and remote control functions through RS485 communication with advanced Delta controllers.

The DC distribution could be equipped with up to 21 pcs of intelligent plug-in breakers with front connection and can be installed in 19-inch racks as an additional DC distribution working together with power supply systems.

Delta is known for quality and product reliability – in this solution that has been combined to optimize the total cost of ownership.

## Main features

- Compact size, 1U 19-inch format
- Up to 21 pcs of intelligent breakers
  - Plug-in type breaker with front connection
- Programmable tripping current threshold
- Individual power and energy monitoring
- Remote control functionality

## Applications

- Telecom – Mobile / Wireless
  - Radio base stations / cell sites
  - LTE / 4G / WiMAX
  - 5G
- Telecom – Fixed
  - Telephony servers/switches
  - Fiber optics / FTTx
  - Microwave
- Tower companies

# Smart PDU I-Type

## DC Power Distribution Unit

Model	Smart PDU I-Type
Part number (No breakers installed)	CTEFDB2101.2000-S
<b>General</b>	
Design	1U compact design, for installation in 19-inch racks
Type of breaker	1U intelligent breaker, plug-in type with front connection
Number of breakers	Up to 21 pcs (20 mm wide) or up to 14 pcs (30 mm wide) or combination
Current rating of breakers	63 A (20 mm wide) and 125 A (30 mm wide)
<b>Features</b>	
Voltage range	42-58 V <sub>DC</sub>
Max distribution rating	300 A
Input connection (rear side)	2x M6 studs (negative input) 2x M6 studs (positive input)
Grounding connection	M6 stud at rear
Breaker cable connections	Max 16 mm <sup>2</sup> - 63 A / Max 35 mm <sup>2</sup> - 125 A
Current threshold	Programmable tripping current threshold
Power and energy monitoring	Individual measurement of power and energy per breaker
Remote functions	Remote switch-off
Control and Monitoring unit <sup>1)</sup>	Orion Touch / E or Smartpack Touch / R / SR
<b>Other Specifications</b>	
Operating temperature	-40 to +55 °C [-40 to +131 °F]
Storage temperature	-40 to +85 °C [-40 to +185 °F]
Relative humidity	95 %, non-condensing
Dimensions (W x D x H)	483 x 349 x 44 mm [19 x 13.7 x 1.7 inch]
Weight (excluding breakers)	Approximately 6 kg [11 lbs]
<b>Design Standards</b>	
Electrical safety	EN IEC 62368-1:2020+A11:2020
EMC	ETSI EN 300 386 v2.2.1:2022, EN 61000-6-1 /-2 /-3 /-4
Environment	ETSI EN 300 019-2-1 (Class 1.2) /-2 (Class 2.3) /-3 (Class 3.2)

1) See Orion Touch / E or Smartpack Touch / R / SR controller datasheets for details

Specifications are subject to change without notice