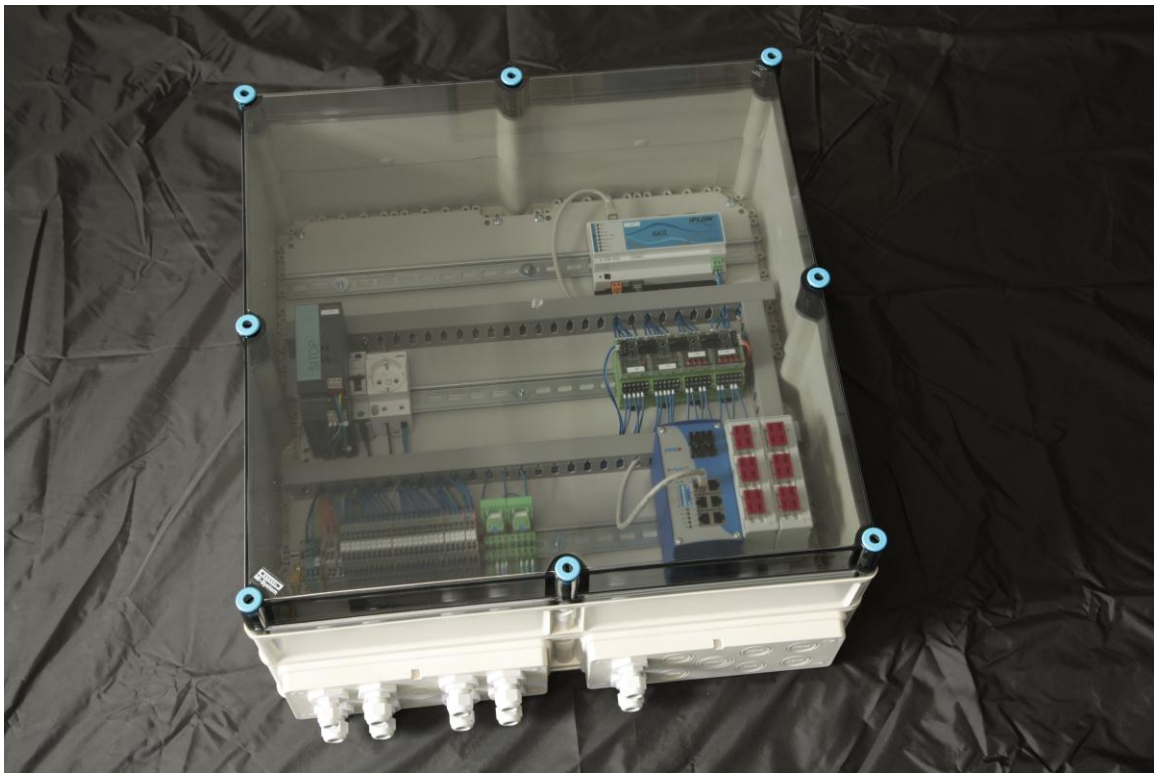


## Intelligent Automation Terminal iAT 19650\_P (Premium)

### Overview

- Inverter and array box independent solution
- Based on ISO / IEC standards 14908
- 24 V DC power supply to the field array Boxes
- Inverter Interfaces: RS-485 and Ethernet (see inverter list)
- Easy diagnostic via LEDs in data loggers
- Connection to handheld Control Terminal
- Connection to iMT (intelligent Management Terminal) via fiber optics
- IP 65 enclosure
- Connection for 2 RS485 meters
- Connection to Inverters
- Connection to string Boxes
- Connection to LT Panel
- Connection to HT Panel
- Connection to Transformer I/Os



<b>Fuses</b>	
AC Input	2 A

#### Data Transmission to Field Terminals

<b>Lonworks Network</b>	
Protocol	ISO/IEC 14908
Data rate	78kBaud
Topology	Free (Ring, Star ,Line, Mixed)
Cabling	Twisted pair (pole insensitive)

<b>RS485 Network</b>	
Protocol	MODBUS / RTU
Data rate	9600 Baud to 19200 Baud
Topology	LINE
Cabling	Twisted pair

#### Data Transmission to Management Terminals

<b>Ethernet TCP_IP Network</b>	
Protocol	TCP_IP
Data rate	100 Base TX / 100 Base SX
Switch	6*10/100 TX ( RJ45) and 2*100FX (SC)
Topology	Loop
Cabling	Fiber optical multimode :50/125µm

#### Electrical Data

<b>Generator connection</b>	
System voltage	230V AC
System current	0.5 A-AC
Auxiliary supply	24V DC
Power consumption	Max.100W, nom. 50W
Overvoltage protection	Yes

#### Mechanical Data

<b>General</b>	
Protection class	IP 65
Enclosure Type	Hensel, wall mount;
UL listing	pending
Standards	Standard EN 50298
Dimensions H x W x D	600 x 300 x 155 mm
Weight	20 Kg

#### Ambient Conditions

Operation temperature	0°C to +45 °C ( short time 55°C)
Storage temperature	-20 to 70 °C
Relative air humidity	Humidity up to 95 % non-condensing

Subject to changes  
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