



**ARES FIRE AND
SAFETY SYSTEMS LLC**

POWER SYSTEMS

POWER DISTRIBUTION UNITS

Power distribution units can automatically distribute AC and DC power provided from 2-10 different sources to 50 different units.

On PDU system with 2 digital screens, it provides the information such as operation hour, battery charge status, power selection to the user.

Power Distribution Units can be specially designed, produced, tested according to requested needs, dimensions and capacities by ARESFSS.

It can automatically distribute AC and DC power to 50 different units.

On the unit where there are separate fuses for each unit whose power requirement is supplied, it is ensured that power of other units is not cut even if a unit blows the fuse.

Power Distribution Units are military products which have successfully passed high temperature, low temperature, high humidity, shock-vibration and EMI/EMC tests as per MIL STD 810H, MIL STD 461F and MIL STD 1275E standards.



PDU-40 POWER DISTRIBUTION UNIT



FAILURE AND WARNING MODES

- AC High,
- AC Low,
- AC Reverse,
- DC High,
- DC Low,
- Temperature High,
- It has Temperature Low warning modes.

GENERAL SPECIFICATIONS

- Ability to meet AC/DC power needs,
- Remote control with computer software and ethernet,
- Having Can-Bus, Ethernet and RS-232 communication infrastructures,
- Easily transferring errors and situations to the user thanks to its digital screen,
- Ability to automatically control UPS, Generator and Grid power inputs,
- Being protected against over current and short circuit,
- Having an audible warning feature,
- Being able to control the air conditioning unit with the data received from automatic sensors,
- Ability to automatically adjust the temperature inside the shelter,
- Being able to carry out the instructions for turning on and off the shelter interior lighting system,
- It has the features of Generator monitoring, Generator on and off features.

STANDARDS

MIL-C-38999	Military Connector
MIL-DTL-27500	Special Purpose, Electrical Shielded and Unshielded Cables
MIL-STD-461E	Military Electromagnetic Compatibility
MIL-STD-810G	Military Environmental Conditions
MIL-STD-1275E	28 VDC Counter Characteristic
STANAG 4135AC	AC Current Characteristic

TECHNICAL SPECIFICATIONS

COMMUNICATION INFRASTRUCTURE	RS422, RS485, CANBUS
DIMENSION (LXWXH)	482x176x630 MM
WEIGHT	3 KG
OPERATING TEMPERATURE	-32 / +55 °C
STORAGE TEMPERATURE	-40 / +60 °C